website:http://biz.LGservice.com
e-mail:http://www.LGEservice.com/techsup.html

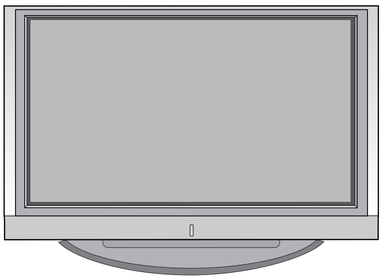
PLASMA TV
SERVICE MANUAL

CHASSIS : PP62A

MODEL : 42PC1R

42PC1R-ZH

CAUTION
BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



CONTENTS

SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by ⚠ in the Schematic Diagram and Replacement Parts List.
It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards.
Do not modify the original design without permission of manufacturer.

General Guidance

An **isolation Transformer should always be used** during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and it's components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this monitor is blown, replace it with the specified.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

Due to high vacuum and large surface area of picture tube, extreme care should be used in **handling the Picture Tube**. Do not lift the Picture tube by it's Neck.

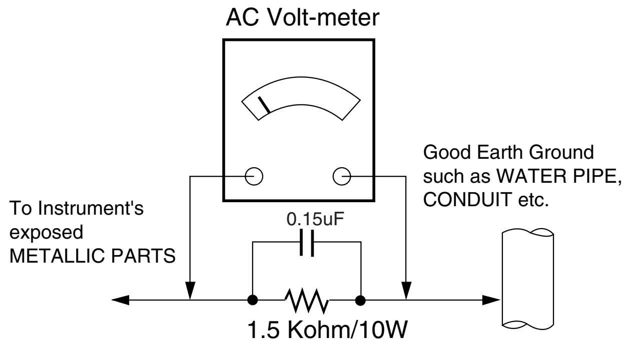
Leakage Current Cold Check(Antenna Cold Check)

With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.
If the exposed metallic part has a return path to the chassis, the measured resistance should be between 1MΩ and 5.2MΩ.
When the exposed metal has no return path to the chassis the reading must be infinite.
An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)

Plug the AC cord directly into the AC outlet.
Do not use a line Isolation Transformer during this check.
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.
Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.
Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each exposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which is corresponds to 0.5mA.
In case any measurement is out of the limits specified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit

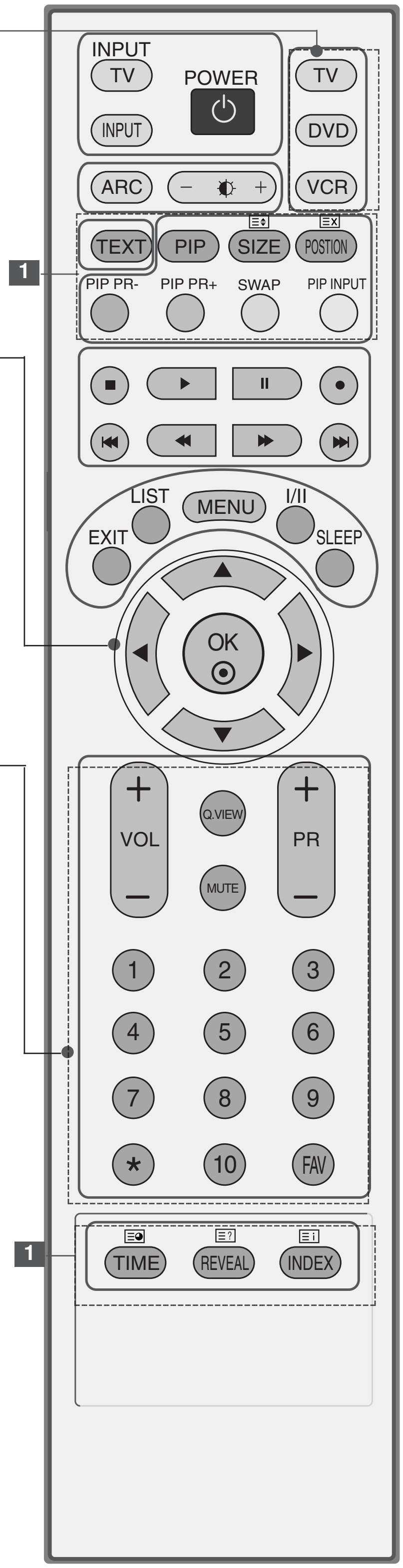


DESCRIPTION OF CONTROLS

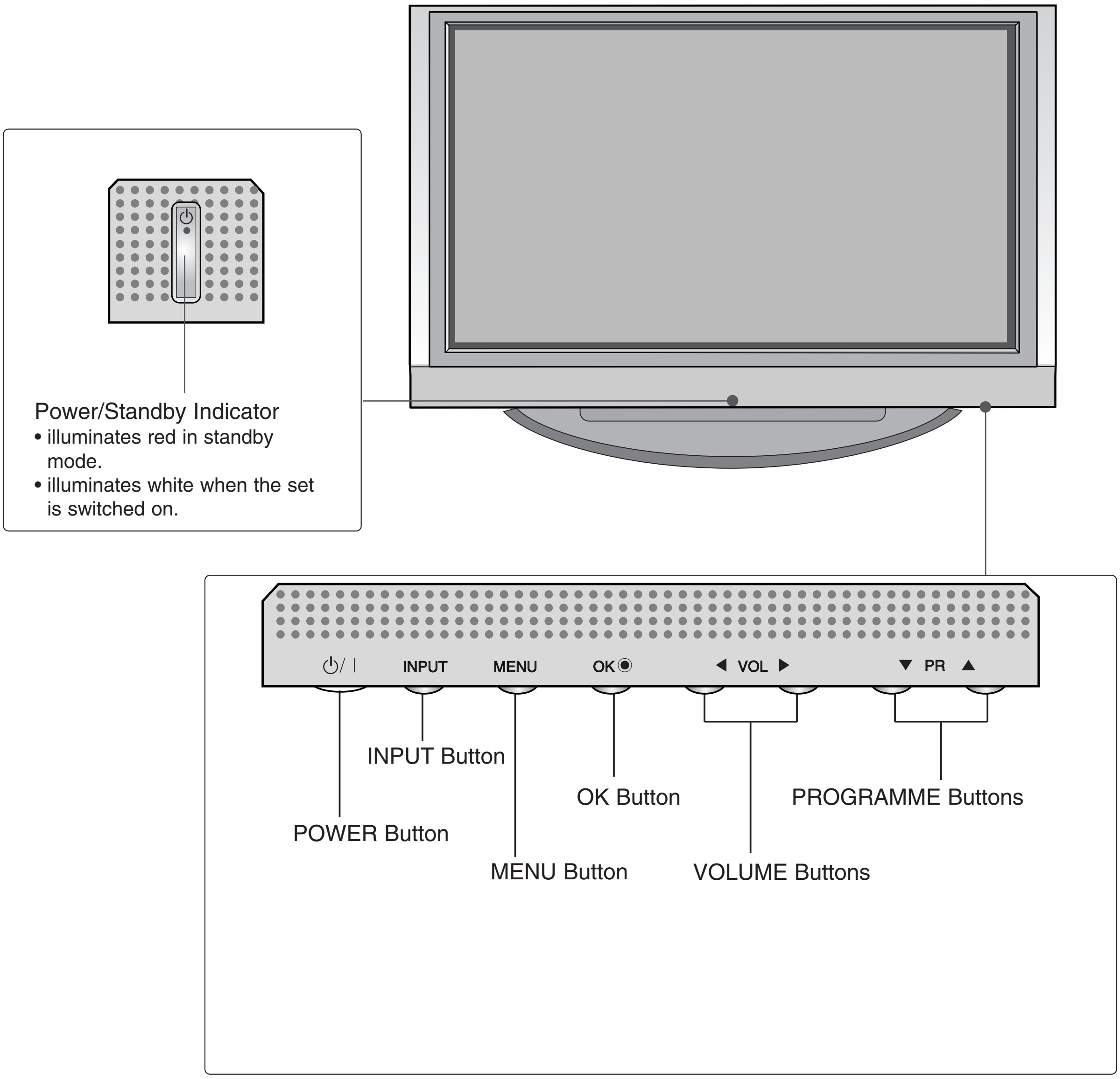
POWER	Switches the set on from standby or off to standby.
TV INPUT	Returns from **AV1**, **AV2**, **S-Video2**, **AV3**, **AV4**(except 42PC3RV*), **Component**, **RGB**, **HDMI1**/**DVI** or **HDMI 2** to the TV mode. Switches the set on from standby.
INPUT	If you press the button once, the input source OSD will appear on screen as shown. Press the ▲ / ▼ button and then **OK** button to select the desired input source (**TV**, **AV1**, **AV2**, **S-Video2**, **AV3**, **AV4**(except 42PC3R*), **Component**, **RGB**, **HDMI1**/**DVI** or **HDMI 2**).
ARC	Selects your desired picture format.
Brightness adjustment	Adjusts screen brightness. It returns to the default settings brightness by changing mode source.
Coloured buttons	These buttons are used for teletext (only **TELETEXT** models) or **Programme edit**.
PIP	Switches the sub picture PIP, DW, POP or off mode.
SIZE	Adjusts the sub picture size.
POSITION	Moves the sub picture.
PIP PR - /+	Selects a programme for the sub picture.
SWAP	Exchanges the main/sub images in PIP/Twin picture mode.
PIP INPUT	Selects the input source for the sub picture in PIP/Twin picture mode.
VCR/DVD control buttons	Controls some video cassette recorders or DVD players when you have already selected DVD or VCR mode button.
EXIT	Clears all on-screen displays and returns to TV viewing from any menu.
LIST	Displays the programme table.
MENU	Selects a menu.
I/II	Selects the sound output.
SLEEP	Sets the sleep timer.



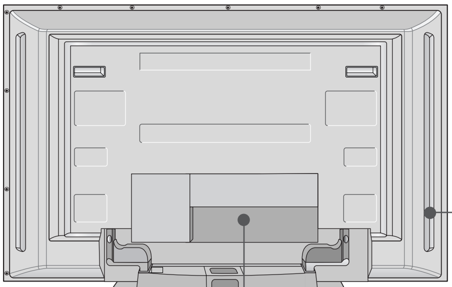
MODE	Selects the remote operating modes.
1 TELETEXT BUTTONS	These buttons are used for teletext. For further details, see the ‘Teletext’ section.
THUMBSTICK (Up/Down/Left Right/ENTER)	Allows you to navigate the on-screen menus and adjust the system settings to your preference.
OK	Accepts your selection or displays the current mode.
VOLUME UP /DOWN	Adjusts the volume.
Q.VIEW	Returns to the previously viewed programme.
MUTE	Switches the sound on or off.
Programme UP/DOWN	Selects available programmes.
0~9 number button	Selects a programme. Selects numbered items in a menu.
FAV	Displays the selected favourite programme.
*	No function

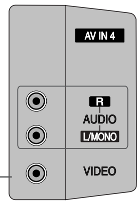


Front Panel Controls



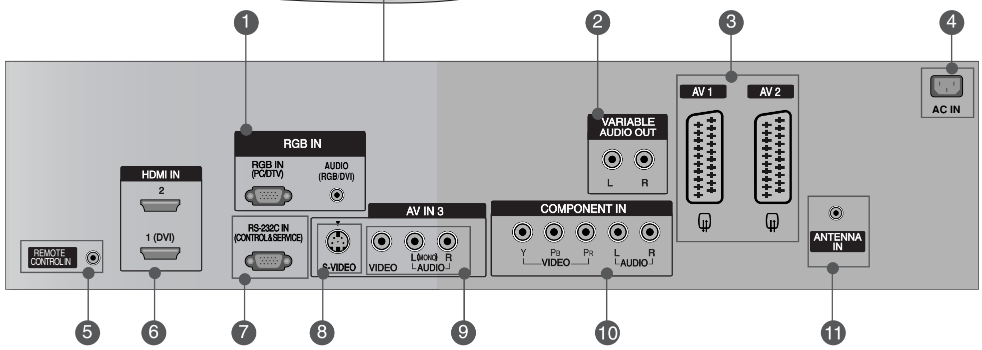
Back Connection Panel





AUDIO Input
Connections are available for listening stereo sound from an external device.

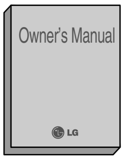
VIDEO Input
Connects the video signal from a video device.
(except 42PC3RV*)



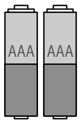
1. RGB/Audio Input
   Connect the monitor output from a PC/DTV to the appropriate input port.
2. Variable Audio Output
   Connect an external amplifier or add a sub-woofer to your surround sound system.
3. Euro Scart Socket (AV1/AV2)
   Connect scart socket input or output from an external device to these jacks.
4. Power Cord Socket
   This TV operates on an AC power. The voltage is indicated on the Specifications page. Never attempt to operate the TV on DC power.
5. Remote Control Port
6. HDMI Input
   Connect a HDMI signal to HDMI IN.
   Connect DVI(VIDEO) signal to HDMI/DVI port with DVI to HDMI cable.
7. RS-232C Input(CONTROL&SERVICE)Port
   Connect the serial port of the control devices to the RS-232C jack.
8. S-Video Input
   Connect S-Video out from an S-VIDEO device.
9. Audio/Video Input
   Connect audio/video output from an external device to these jacks.
10. Component Input
    Connect a component video/audio device to these jacks.
11. Antenna Input

ACCESSORIES

Ensure that the following accessories are included with your TV. If an accessory is missing, please contact the dealer where you purchased the product.



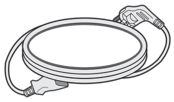
Owner's Manual



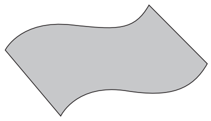
Batteries



Remote Control



Power Cord

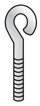


Polishing Cloth
Polish the screen with the cloth
(Option)

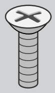
For 42PC1R*, 42PC3R*, 50PC1R*



2-Wall brackets



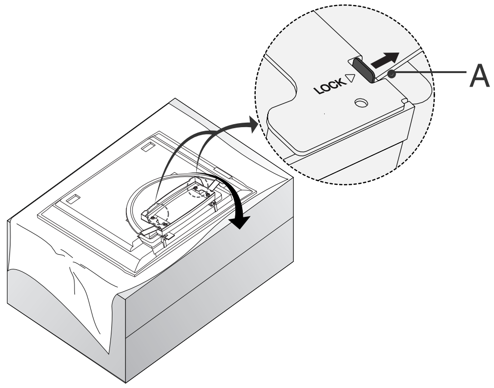
2-eye-bolts



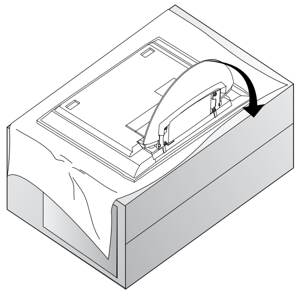
2-bolts for stand assembly

STAND INSTALLATION(OPTION)

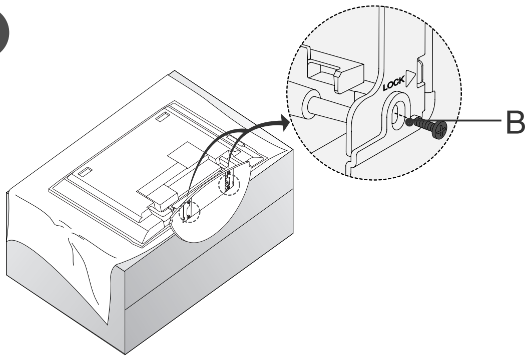
1



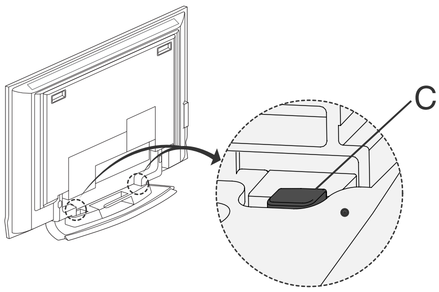
2



3



4



- Place the set with the screen facing down on a cushion or soft cloth as shown in Figures 1.
  Before unfolding the stand, please make sure two locks (A) on the bottom of the stand push outward.
- Pull the stand out as shown above in Figures 2 ~ 3.
  After unfolding the stand, please insert and tighten the screws in the holes (B) on the bottom of the stand.
- When connecting cables to the set, Do not disengage the lock (C).
  This may cause the set to fall, causing serious bodily injury and serious damage to the set.

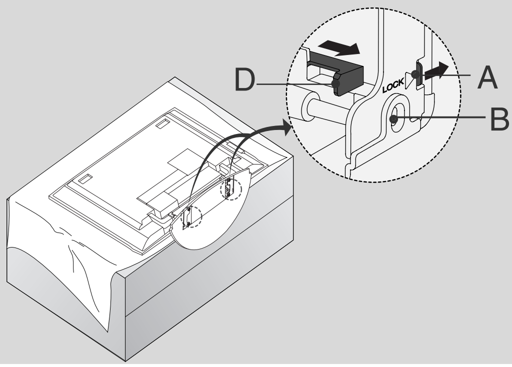
* NOTE

Figures shown here may be slightly different from your set.

When closing the stand for storage

First remove the screws in the holes (B) on the bottom of the stand. And then pull two Hooks (D) of the stand bottom
and fold the stand into the back of the set.

After folding, push two Locks (A) of the stand bottom outward.



SPECIFICATIONS

NOTE : Specifications and others are subject to change without notice for improvement.

■ Application Range

This spec is applied to the 42" PDP TV used PP62A/C Chassis.

Chassis	Model Name	Market Place	Brand	Remark
PP62A	42PC1R-ZH	EU	LG	

■ Specification

Each part is tested as below without special appointment.
1) Temperature : 25±5°C (77±9°F), CST : 40±5
2) Relative Humidity: 65±10%.
3) Power Voltage: Standard Input voltage (100-240V~, 50/60Hz).
   * Standard Voltage of each product is marked by models.
4) Specification and performance of each parts are followed each drawing and specification by part number in accordance with BOM.
5) The receiver must be operated for about 20 minutes prior to the adjustment.

■ Test Method

1) Performance : LGE TV test method followed.
2) Demanded other specification .
   Safety : CE, IEC specification
   EMC : CE, IEC

Model	Market	Appliance	Remark
42PC1R-ZH	EU	Safety : IEC/EN60065, EMI : EN55013, EMS : EN55020	TEST

■ General Specification

1. Module Specification

1-1. 42"XGA MODULE

No	Item	Specification	Remark
1	Display Screen Device	42 inch wide Color Display Module	PDP
2	Aspect Ratio	16:9	
3	PDP Module	PDP42X3###, RGB Closed Type	Film Filter
4	Operating Environment	1)Temp. : 0~40deg 2)Humidity : 0~85%	LGE SPEC.
5	Storage Environment	3)Temp. : -20~60deg 4)Humidity : 0~85%	
6	Input Voltage	AC100~240V, 50/60Hz	Maker : LG

1-2. 42"WVGA MODULE

No	Item	Specification	Remark
1	Display Screen Device	42 inch wide Color Display Module	PDP
2	Aspect Ratio	16:9	
3	PDP Module	PDP42V8###, RGB Closed Type	Film Filter
4	Operating Environment	1)Temp. : 0~40deg 2)Humidity : 0~85%	LGE SPEC.
5	Storage Environment	3)Temp. : -20~60deg 4)Humidity : 0~85%	
6	Input Voltage	AC100~240V, 50/60Hz	Maker : Sanken

2. Model General Specification

No	Item	Specification			Remark
1	Market	EU			
2	Broadcasting system	PAL-BG/I/DK, SECAM, NTSC			
3	Available Channel	BAND	PAL	SECAM	
		VHF	E2~E12		
		UHF	E21~E69		
		CATV	S1~S20		
		HYPER	S21~S41		
4	Receiving system	Upper Heterodyne			
5	Scart Jack (2EA)	PAL, SECAM, NTSC,NTSC4.43			4 System : PAL, SECAM, NTSC, PAL60
6	Video Input (2EA)	PAL, SECAM, NTSC,NTSC4.43			4 System : PAL, SECAM, NTSC, PAL60
7	S-Video Input (2EA)	PAL, SECAM, NTSC,NTSC4.43			4 System : PAL, SECAM, NTSC, PAL60
8	Component Input (1EA)	Y/Cb/Cr, Y/Pb/Pr			
9	RGB Input(1EA)	RGB-PC, RGB-DTV			
10	HDMI Input(2EA)	HDMI-PC HDMI-DTV & SOUND			
11	Audio Input (4EA)	PC Audio, Component(1EA), AV (2EA)			L/R Input
12	Wired Control(1EA)				

ADJUSTMENT INSTRUCTIONS

1. Application Object

These instructions is applied all of the 42" PDP TV, PP62A/C Chassis.

2. Specification

(1) Because this is not a hot chassis, it is not necessary to use an isolation transformer. However, the use of isolation transformer will help protect test instrument.
(2) Adjustment must be done in the correct order.
(3) The adjustment must be performed in the circumstance of 25±5°C of temperature and 65±10% of relative humidity if there is no specific designation.
(4) The input voltage of the receiver must keep 100-220V, 50/60Hz.
(5) The receiver must be operated for about 15 minutes prior to the adjustment.

- After RGB Full white HEAT-RUN Mode, the receiver must be operated prior to adjustment.
- Enter into HEAT-RUN MODE
  1) Press the POWER ON KEY on R/C for adjustment.
  2) OSD display and screen display PATTERN MODE.

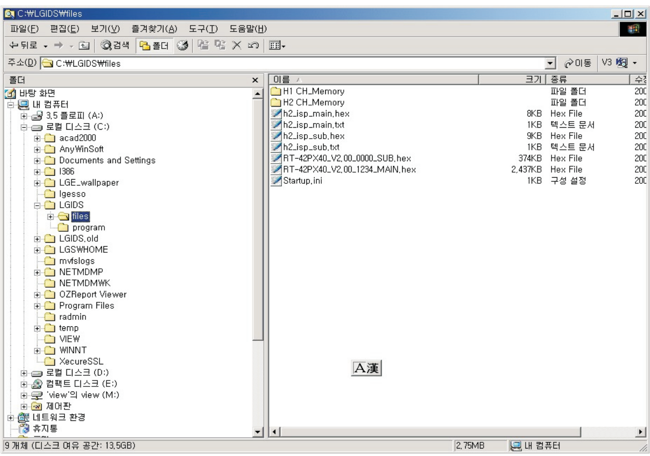
※ Set is activated HEAT-RUN without signal generator in this mode.
※ Single color pattern(RED/BLUE/GREEN) of HEAT-RUN mode uses to check PANEL.

Caution) If you turn on a still screen more than 20 minutes, (Especially digital pattern, cross hatch pattern) after image may be occur in the black level part of the screen.

3. Channel memory

3-1. Setting up the LGIDS

1) Install the LGIDS. (idsinst.exe)
2) After installation, restart your PC.
3) Extract [files.zip] to folder [c:\LGIDS\files].
4) Start LGIDS.

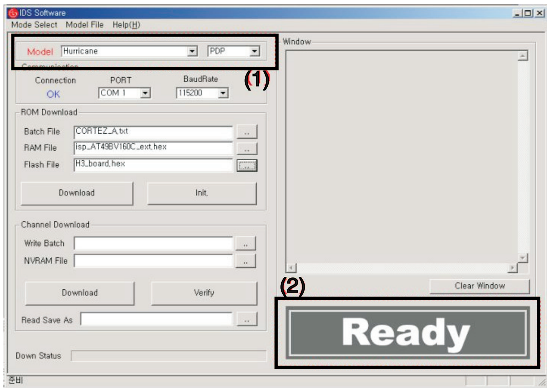


(Fig. 1)

3-2. Channel memory Method

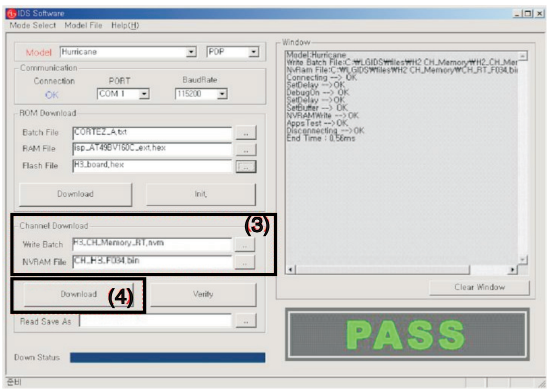
1) Select "PDP" and "Hurricane" on Model dialog. And check your connection in Communication dialog. (If your connection is 'NG', then set your PORT(COM1,2,3,...) correctly.)
2) Connect RS-232C cable and turn on the power.
   (If your connection has completed, you can see "Ready".)

※ If your set is not an end products but only a board, you have to make your board to Stand-by state (LED_R). And you have to Download in Stand_by power state.



(Fig. 2)

3) Select proper CH_memory file(*.nvm) for each model at [NVRAM Download] ⟶ [Write Batch]
   Next, select proper binary file(*.bin) including the CH information for each model at [NVRAM File].
   File name
   ZH Model : H3_CH_Memory_ZH.nvm
4) Click the [Download] button.
   It means the completion of the CH memory download if all items show 'OK' and Status is changed by 'PASS' at the lower right corner of the window.
5) If you want to check whether the CH information is memorized correctly or not, click the [Verify] button.
   And then compare NVRAM File(*.bin) with the CH information downloaded.



(Fig. 3)

4. Auto AV(CVBS) Color Balance

4-1. Requirement

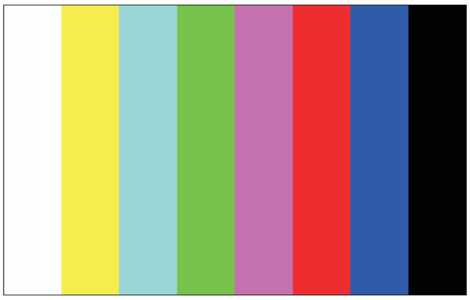
- It is very import to use correct adjustment pattern like (Fig.4).
  - Within the pattern, color sequence should be aligned : W-Y-C-G-M-R-BLUE-BLACK.
    (If color sequence is reversed (Black ->...-> White), reverse the pattern with REV key, when using Master pattern generator like MSPG-925)
  - If Minimum Black Level and/or Maximum White Level is not correct, Do select 100% Color Bar Pattern.

4-2. Required Test Equipment

1) Remote controller for adjustment.
2) AV Pattern Generator : 802F Pattern Generator, Master(MSPG-925FA), etc.
   (Which has PAL Composite Video format output with standard(1.0 Vpp) Vertical 100% Color Bar Pattern as Fig. 4)

4-3. Method of Auto RGB Color Balance

1) Input the PAL Composite Video (Fig.4. 100% Color Bar Pattern) into video input.
2) If Assy has Scart jack ,Use AV3
   Else use AV1.
3) Press INSTART key on R/C for adjustment.
4) Press the ▶ (Vol.+) key operate to set , then it becomes automatically.
5) Auto-RGB OK means completed adjustment.



(Fig. 4) Auto AV(CVBS) Color Balance Test Pattern

5. Auto Component Color Balance

5-1. Requirement

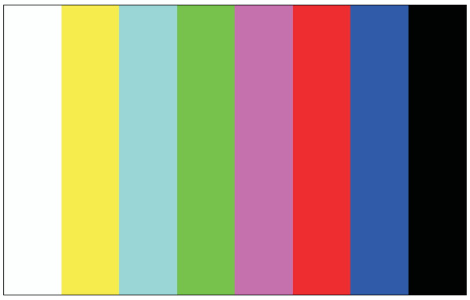
- It is very import to use correct adjustment pattern like (Fig.5).
  - Within the pattern, color sequence should be aligned : W-Y-C-G-M-R-BLUE-BLACK.
    (If color sequence is reversed (Black ->...-> White), reverse the pattern with REV key, when using Master pattern generator like MSPG-925)
  - If Minimum Black Level and/or Maximum White Level is not correct, Do select 100% Color Bar Pattern.

5-2. Required Test Equipment

1) Remote controller for adjustment.
2) 802F Pattern Generator.
   (Which has 720p YpbPr output with Standard(0.7Vpp)Vertical 100% Color Bar Pattern as Fig. 5)

5-3. Method of Auto RGB Color Balance

1) Input the Component 720p 100% Color Bar signal into Component1 or Component2.
2) Set the PSM to Dynamic mode in Picture menu.
3) Press INSTART key on R/C for adjustment.
4) Press the ▶ (Vol.+) key operate To set , then it becomes automatically.
5) Auto-RGB OK means completed adjustment.



(Fig. 5) Auto Component Color Balance Test Pattern

6. Auto RGB Color Balance

6-1. Requirement

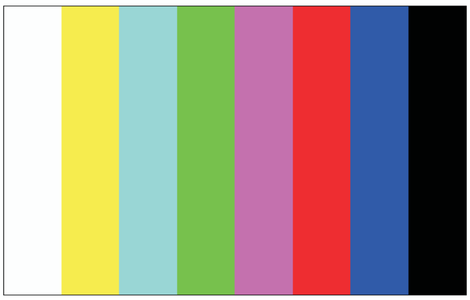
- It is very import to use correct adjustment pattern like (Fig.6).
  - Within the pattern, color sequence should be aligned : W-Y-C-G-M-R-BLUE-BLACK.
    (If color sequence is reversed (Black ->...-> White), reverse the pattern with REV key, when using Master pattern generator like MSPG-925)
  - If Minimum Black Level and/or Maximum White Level is not correct, Do select 100% Color Bar Pattern.

6-2. Required Test Equipment

1) Remote controller for adjustment.
2) 802F Pattern Generator, Master (MSPG-925FA), etc.
   (Which has XGA 60Hz PC Format output with standard(0.7Vpp) 100 % Color Bar Pattern as Fig. 6)

6-3. Method of Auto RGB Color Balance

1) Input the PC 1024x768 @ 60Hz 100 % Color Bar Pattern into RGB.
2) Set the PSM to Dynamic mode in Picture menu.
3) Press INSTART key on R/C for adjustment.
4) Press the ▶ (Vol.+) key operate To set , then it becomes automatically.
5) Auto-RGB OK means completed adjustment.



(Fig. 6) Auto RGB Color Balance Test Pattern

7. POWER PCB Assy Voltage Adjustments (Va, Vs Voltage adjustments)

7-1. Test Equipment : D.M.M. 1EA

7-2. Connection Diagram for Measuring

: refer to Fig.7

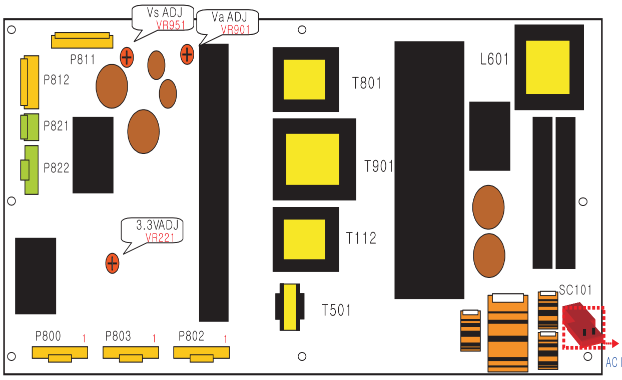
7-3. Adjustment Method

(1) Va Adjustment

1) After receiving 100% Full White Pattern, HEAT RUN.
2) Connect + terminal of D.M.M to Va pin of P812, connect - terminal to GND pin of P812.
3) After turning VR0901, voltage of D.M.M adjustment as same as Va voltage which on label of panel right/top. (Deviation; ±0.5V)

(2) Vs Adjustment

1) Connect + terminal of D.M.M to Vs pin of P812, connect – terminal to GND pin of P812.
2) After turning VR951, voltage of D.M.M adjustment as same as Va voltage which on label of panel right/top. (Deviation; ±0.5V)



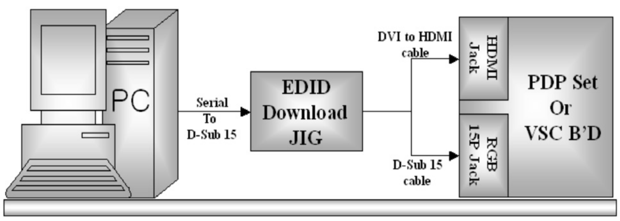
(Fig. 7) Connection Diagram of power adjustment for measuring.

8. EDID (The Extended Display Identification Data)/ DDC (Display Data Channel) download

8-1. Required Test Equipment

1) Adjusting PC with S/W for writing EDID Data.
(S/W : EDID TESTER Ver.2.5)
2) A Jig for EDID Download.
3) Cable : Serial(9Pin or USB) to D-sub 15Pin cable, D-sub 15Pin cable, DVI to HDMI cable.

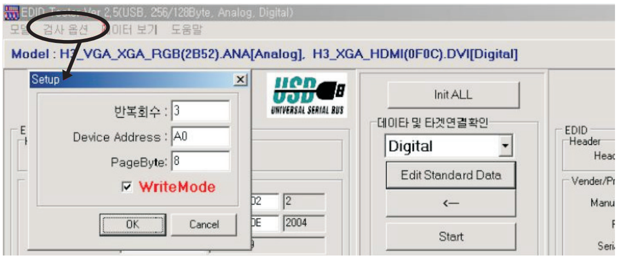
8-2. Setting of device



(Fig. 8) Connection Diagram of DDC download

8-3. Preparation for Adjustment

1) As above Fig. 8, Connect the Set, EDID Download Jig, PC & Cable.
2) Turn on the PC & EDID Download Jig. And Execute the S/W : **EDID TESTER Ver,2.5.**
3) Set up S/W option.
Repeat Number : 5
Device Address : A0
PageByte : 8



4) Power on the Set.

8-4. Data of EDID

1) DDC data of Analog-RGB.

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
00	00	FF	FF	FF	FF	FF	FF	00	1E	6D	D7	3A	01	01	01	01
10	02	10	01	03	18	5D	34	96	0A	F3	30	A7	54	42	AA	26
20	0F	48	4C	B3	0C	00	49	4A	31	4A	01	01	01	01	01	01
30	01	01	01	01	01	01	64	19	00	40	41	00	26	30	18	88
40	36	00	A2	08	32	00	00	18	2F	0D	50	F0	30	E0	25	10
50	10	70	68	00	A2	08	32	00	00	1E	00	00	00	FC	00	4C
60	47	20	54	56	0A	20	20	20	20	20	20	20	00	00	00	FD
70	00	3A	46	1F	45	0B	00	0A	20	20	20	20	20	20	01	A0

[Block 0]

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
00	02	03	19	72	23	08	07	02	46	05	14	04	13	12	03	83
10	01	00	00	65	03	0C	00	10	00	30	2A	00	98	51	00	2A
20	40	30	70	13	00	A2	08	32	00	00	1E	00	00	00	00	00
30	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
40	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
50	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
60	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
70	00	00	00	00	00	00	00	00	00	00	00	00	00	00	A5	AA

[Block 1]

2) DDC data of Digital-HDMI.

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
00	00	FF	FF	FF	FF	FF	FF	00	1E	6D	D7	3A	01	01	01	01
10	02	10	01	03	80	5D	34	96	0A	F3	30	A7	54	42	AA	26
20	0F	48	4C	B3	0C	00	49	4A	31	4A	01	01	01	01	01	01
30	01	01	01	01	01	01	64	19	00	40	41	00	26	30	18	88
40	36	00	C4	8E	21	00	00	18	2F	0D	50	F0	30	E0	25	10
50	10	70	68	00	A2	52	30	00	00	1E	00	00	00	FC	00	4C
60	47	20	54	56	0A	20	20	20	20	20	20	20	00	00	00	FD
70	00	3A	46	1F	45	0B	00	0A	20	20	20	20	20	20	01	59

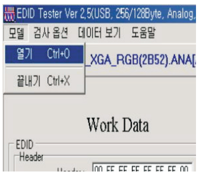
[Block 0]

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
00	02	03	19	72	23	09	07	02	46	84	03	05	14	13	12	83
10	01	00	00	65	03	0C	00	10	00	30	2A	00	98	51	00	2A
20	40	30	70	13	00	A2	08	32	00	00	1E	00	00	00	00	00
30	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
40	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
50	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
60	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
70	00	00	00	00	00	00	00	00	00	00	00	00	00	00	A5	29

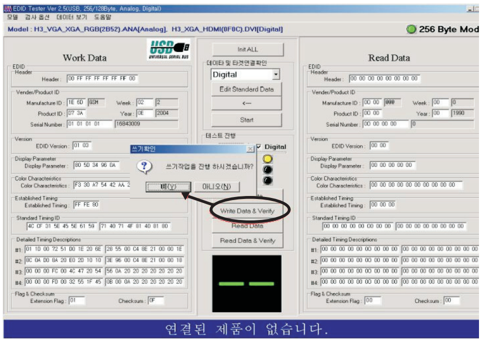
[Block 1]

8-5. Sequence of Adjustment

1) Init the data.
2) Load the EDID data.(Open File : Analog ,Digital)



3) Push the “Write Data & Verify” button. And confirm “Yes”.
4) If the writing is finished, you will see the “OK’ message.
5) It is important that PP62A/C has two HDMI so digital DDC downloading must be performed two times.(HDMI 1 , HDMI 2)

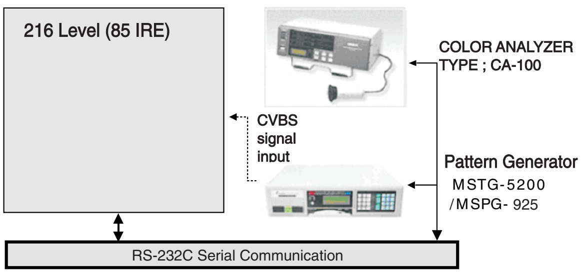


9. Adjustment of White Balance

9-1. Required Equipment

1) Remote controller for adjustment.
2) Color Analyzer (CA-100 or same product).
3) Auto W/B adjustment instrument.(only for Auto adjustment)
4) AV Pattern Generator.

9-2. Connecting diagram of equipment for measuring (For Auto Adjustment)



(Fig. 9) Connection Diagram of Auto W/B Adjustment

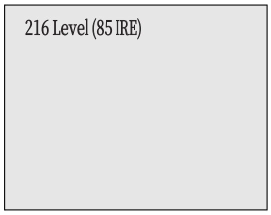
9-3. Adjustment of White Balance (For Manual adjustment)

- Operate the zero-calibration of the CA-100, then stick sensor to PDP module surface when you adjust.
- For manual adjustment, it is also possible by the following sequence.

1) Select white pattern of heat-run mode by pressing power on key on remote control for adjustment then operate heat run more than 15 minutes.
2) As below Fig. 7, Supply 216Level (85 IRE) full screen pattern to Video input.
   If Assy has Scart jack ,Use AV3
   Else use AV1.
3) Enter the White Balance adjustment mode by pressing the INSTART key twice(White Balance) on R/C.
4) Stick sensor to center of the screen and select each items (Red/Green/Blue Gain and Offset) using ▲ / ▼(CH +/-) key on R/C.
5) Adjust Only High Light with R Gain / B Gain using ◀ / ▶ (VOL+/-) key on R/C.
6) Adjust it until color coordination becomes as below.
   (Initially, R/G/B gain and R/G/B offset values are fixed as below
   Red Gain : 82, Green Gain : 80, Blue Gain : 86
   Red Offset : 80, Green Offset : 80, Blue Offset : 8C)

■ **Desired result**

Brightness : High Light : 80 ± 20cd/m2
Color-Coordinate : High Light : X : 0.283 ± 0.002
Y : 0.298 ± 0.002
Color Temperature : 9,300°K ± 500°K



(Fig. 10) Pattern for Adjustment of White Balance

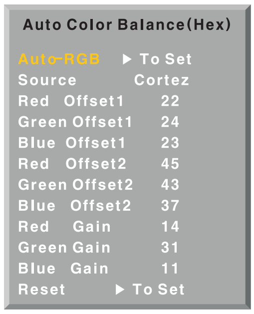
7) When adjustment is completed, Exit adjustment mode using EXIT key on R/C.

10. Input the Shipping Option Data

1) Push the IN-START key in a Adjust Remocon.
2) Input the Option Number that was specified in the BOM, into the Shipping area.
3) The work is finished, Push ■ Key.

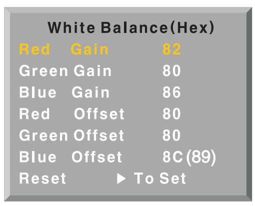
11. Default value in adjustment mode

11-1. Auto Color Balance (Component/RGB)



(Fig. 11) Default Value on OSD

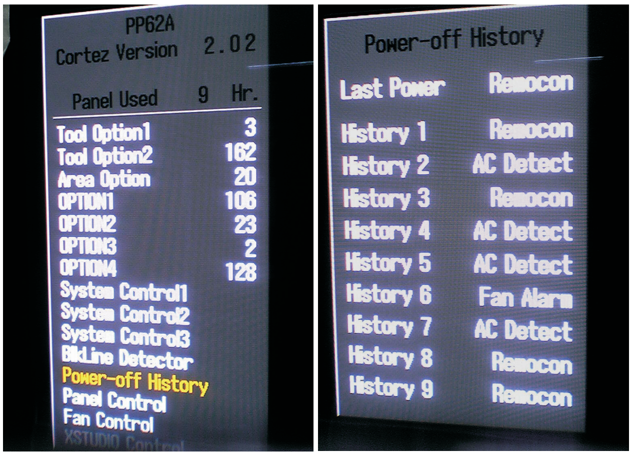
11-2. White Balance



(Fig. 12) Default Value on OSD

12. Power-off History

This function indicated Power off history.
You can go into this mode by ADJ key in ADJ remocon.

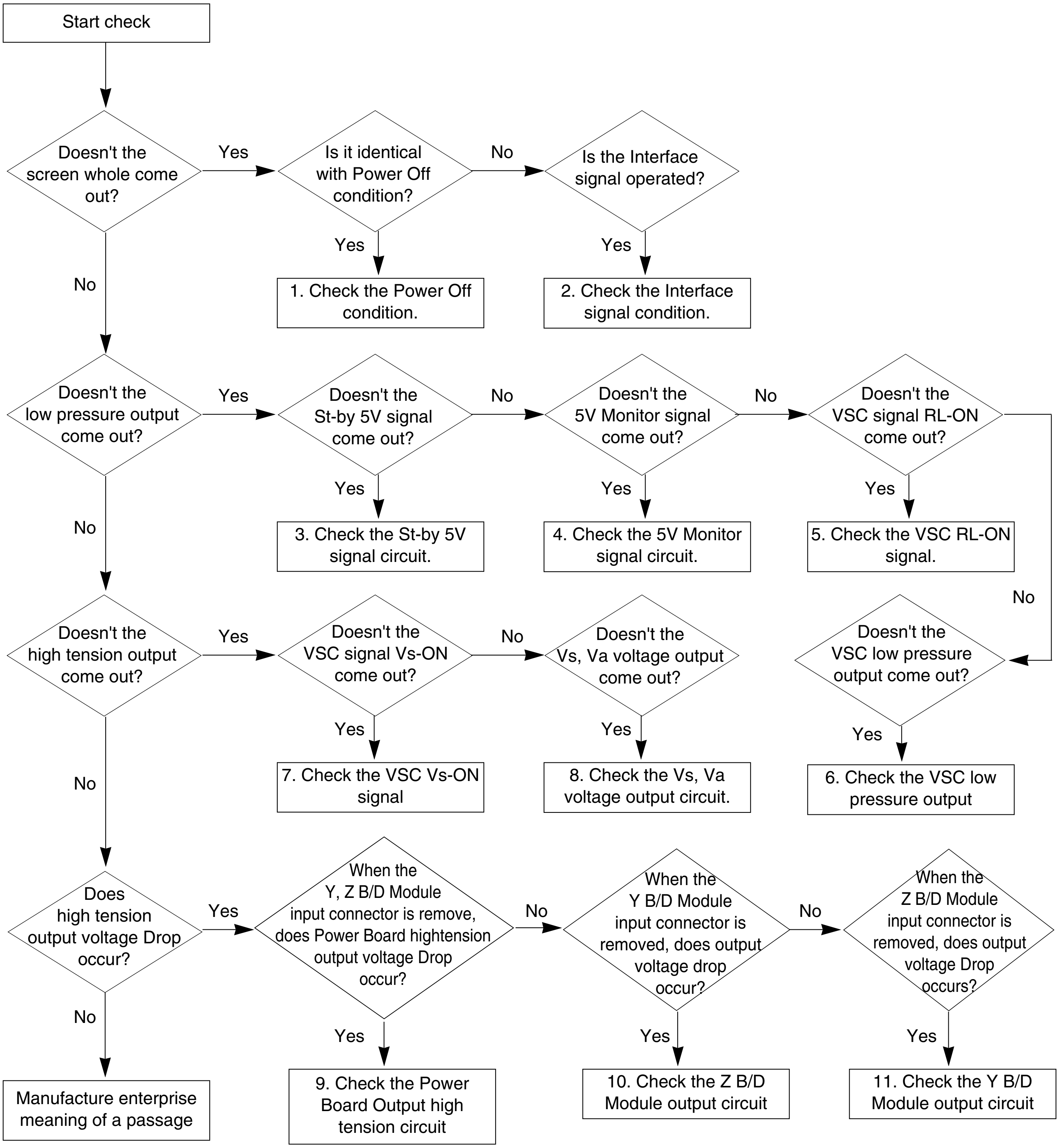


(Fig. 13) Power-off History

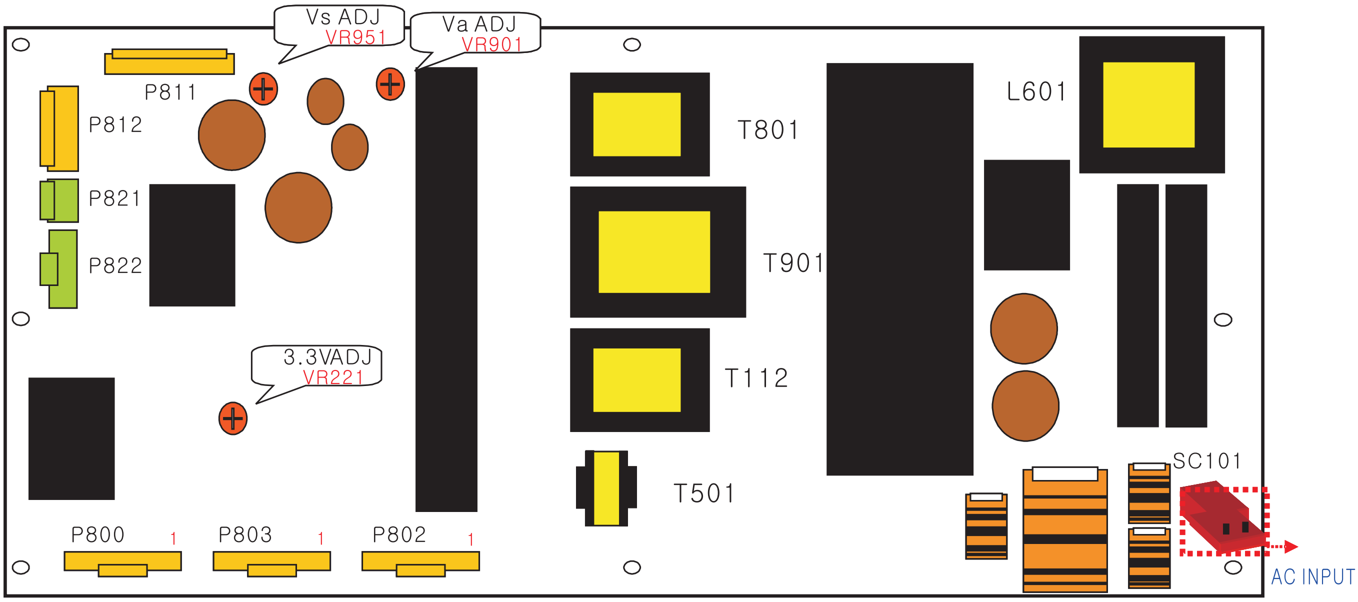
TROUBLE SHOOTING GUIDE

1. Power Board

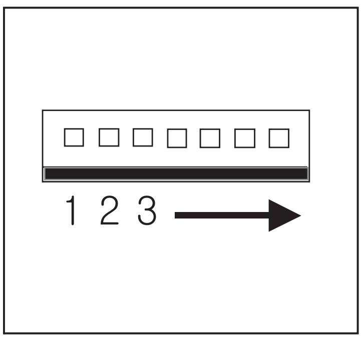
1-1. The whole flowchart which it follows in voltage output state



1-2. LG Innokek Power Board Structure



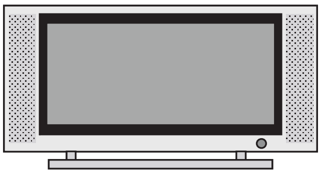
NO	AC INLET	ANALOG & DIGITAL BOARD			PDP MODULE		READY 1)	
	SC1	P800	P803	P802	P811	P812	P821	P822
1	AC	AC Det	19V	3.4V	Vs	5V	5V	GND
2	NC	RL-ON	19V	3.4V	Vs	GND	5V	GND
3	AC	STB 5V	GND	GND	NC	Va	GND	GND
4		GND	GND	GND	GND	GND	GND	GND
5		Vs-ON	6V	6V	GND	GND		5V
6		5V Det	GND	6V	Va	GND		5V
7		3.4V-ON	3.4V	GND	GND	NC		5V
8		STB 5V	GND	GND	5V	Vs		5V
9		GND	12V	12V		Vs		
10		NC	GND	12V				
11		6V		GND				
12		GND		GND				
13		3.4V-ON						



2. No Power

(1) Symptom

1) Doesn't minute discharge at module.
2) Non does not come in into the front LED.



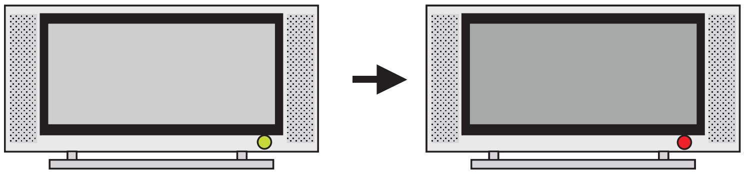
(2) Check following

- **Is plug in power cord?**
  - No → Plug in power cord.
  - Yes ↓
- **Is the Line Filter and Power Board Cable connected?**
  - No → Connect the Cable.
  - Yes ↓
- **Is the Fuse(F101) on Power Board normal?**
  - No → Replace the Fuse.
  - Yes ↓
- **Is the Power Board and 13P of VSC Board Cable connected?**
  - No → Connect the Cable.
  - Yes ↓
- After the cable connect is removed to Power Board(except the CN101 connection cable), the AC voltage marking is authorized on manual. When ST-BY 5V is not operated, replace Power Board.

3. Protect Mode

(1) Symptom

1) After once shining, it does not discharge minutely from module.
2) The Rely falls.(The sound is audible “click”)
3) It is converted with the color where the front LED is red from green.



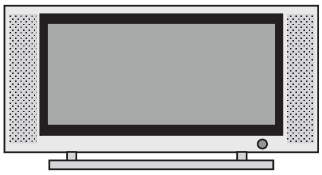
(2) Check following

- Is the Power Board normal ?
  - No → Is output the normality Low/High voltage except Stand-by 5V?
    - No → Replace Power Board.
  - Yes ↓
- Is the each connector normal?
  - No → After connecting well each connector, the normality it operates?
    - No → Replace the connector.
  - Yes ↓
- Is the Y-Board normal?
  - No → Is the Fuse(FS2) on Y-B/D normal? (In case of open is replace)
    - Yes → Is the output voltage normal after remove P5, P6 connector of Y-B/D?
      - Yes → Replace Y-Board.
  - Yes ↓
- Is the Z-Board normal?
  - No → Is the Fuse (FS1, FS2) on Z-B/D normal? (In case of open is replace)
    - Yes → Is the output voltage normal after remove P1 connector of Z-B/D?
      - Yes → Replace Z-Board.
  - Yes ↓
- Is the X- Board normal?
  - No → Is the output voltage normal after remove P1, 2, 3, 4, 5 connector of X-B/D?
    - Yes → After remove P1, P2, P3 output voltage normality: Replace Right X-B/D
After remove P4, P5 output voltage normality: Replace Left X-B/D
  - Yes ↓
- Is the Ctrl Board normal?
  - No → Is the output voltage normal after remove P1, 2, 4, 9, 10 connector of Ctrl-B/D?
    - Yes → Replace X-Board.
  - Yes ↓
- Is the VSC Board normal?
  - No → Is the output voltage normal after remove P1001, P1100?
    - Yes → After remove P1001, 1100 normal operation: Replace VSC Board
  - Yes ↓
- Is the COF of X, Y, Z normal ?
  - No → After crisis COF of each board, check the normality operates. If in case normality operates, correspondence COF Fail is replace the module.

4. No Raster

(1) Symptom

1) Doesn't minute discharge at module.
2) It maintains the condition where the front LED is green.



(2) Check following

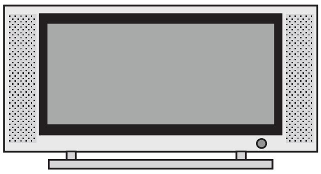
- Is the Power Board normal?
  - No → Is output the normality Low/High voltage except Stand-by 5V?
    - No → Replace the Power Board.
  - Yes ↓
- Is the each connector normal?
  - No → After connecting well each connector, the normality it operates?
    - No → Replace the connector.
  - Yes ↓
- Is the Y-Board normal?
  - No → Is the Fuse(FS2) normal on Y-B/D? (In case of open is replace)
    - Yes → Is the output voltage normal after remove P5, P6 connector of Y-B/D?
      - Yes → Replace Y-Board.
  - Yes ↓
- Is the Z- Board normal?
  - No → Is the Fuse(FS1, FS2) normal on Z-B/D? (In case of open is replace)
    - Yes → Is normal the output voltage after remove P1 connector of Z-B/D?
      - Yes → Replace Z-Board.
  - Yes ↓
- Is the X- Board normal?
  - No → Is the output voltage normal after remove P1, 2, 3, 4, 5 connector of X-B/D?
    - Yes → After remove P1, P2, P3 output voltage normality: Replace Right X-B/D. After remove P4, P5 output voltage normality: Replace the Left X-B/D
  - Yes ↓
- Is the Ctrl Board normal?
  - No → Is the output voltage normal after remove P1, 2, 4, 9, 10 connector of Ctrl-B/D?
    - Yes → Replace X-Board.
  - Yes ↓
- Is the VSC Board normal?
  - No → Is the output voltage normal after remove P1001, P1100?
    - Yes → After remove P1001, P1100 normal operation: Replace the VSC Board
  - Yes ↓
- Is the COF of X, Y, Z normal?
  - No → After crisis COF of each board, check the normality operates. If in case normality operates, correspondence COF Fail is replace the module.

5. In case of occurring strange screen into specific mode

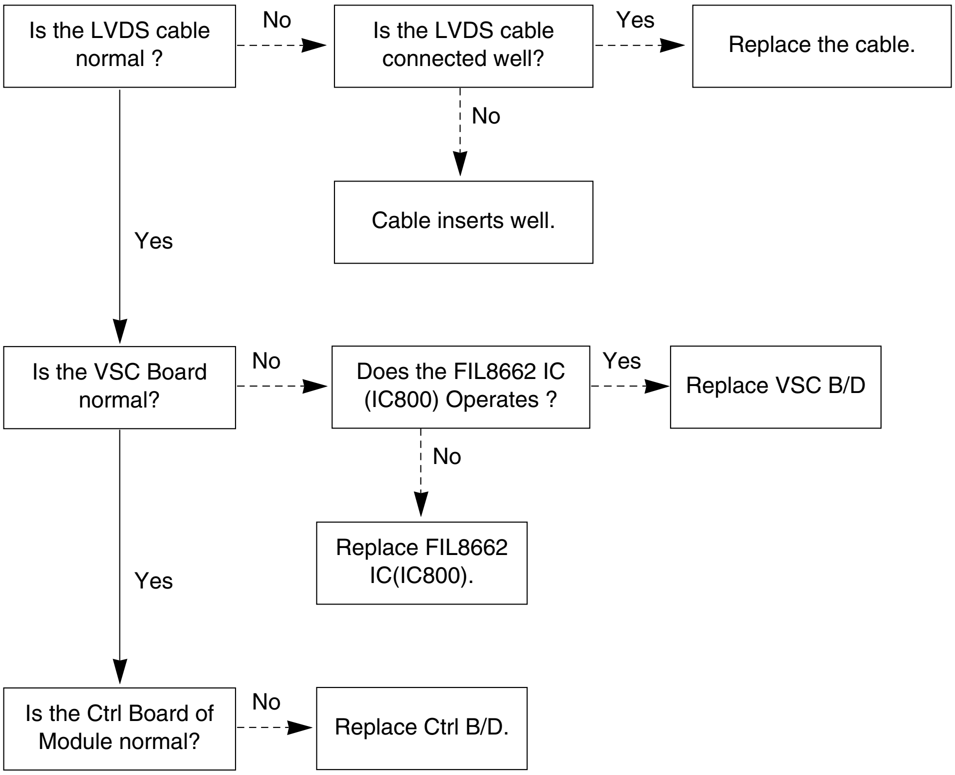
5-1. In case the OSD does not displayed

(1) Symptom

1) LED is white.
2) The minute discharged continuously becomes accomplished from module.



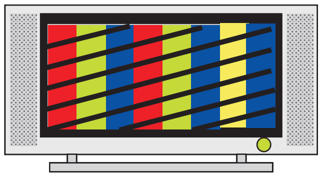
(2) Check following



5-2. In case of does't display the screen into specific mode

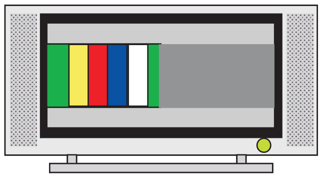
(1) Symptom

1) The screen does not become the display from specific input mode.
   (RF, AV, Component, RGB, DVI)

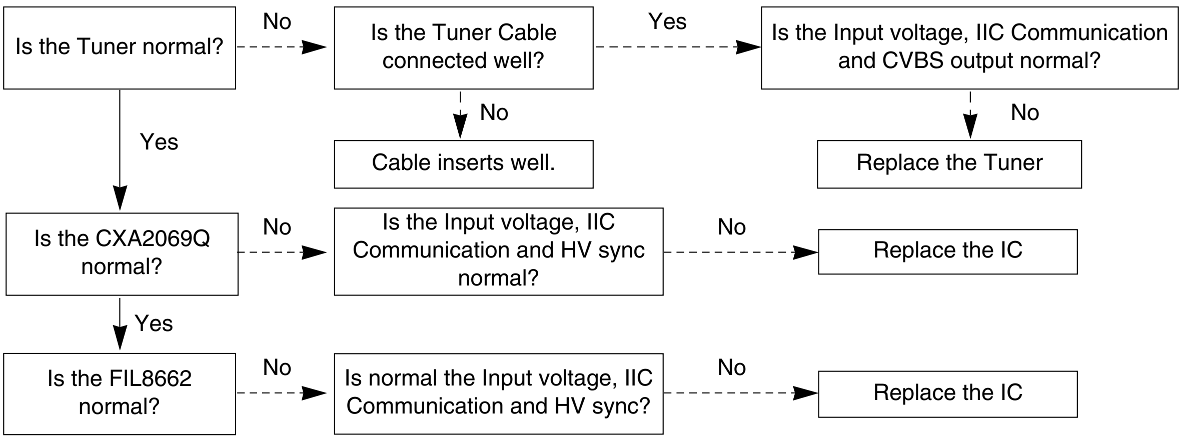


(2) Check following

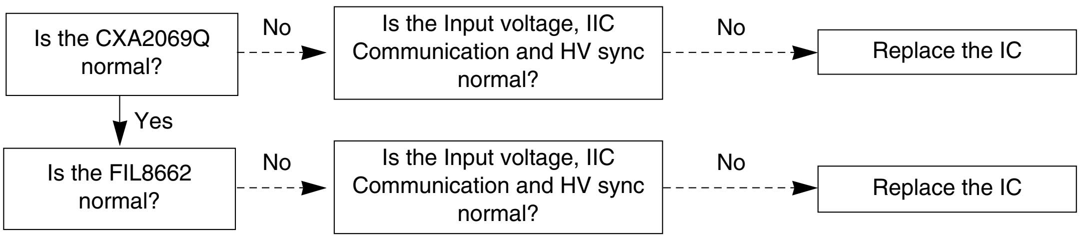
1) Check the all input mode should become normality display.
2) Check the Video(Main)/Data(Sub), Video(Main)/Video(Sub) should become normality display from the PIP mode or DW mode. (Re-Check it Swap)



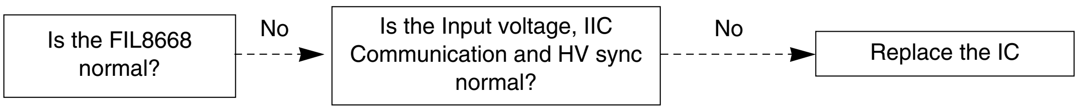
(3) In case of becomes unusual display from RF mode



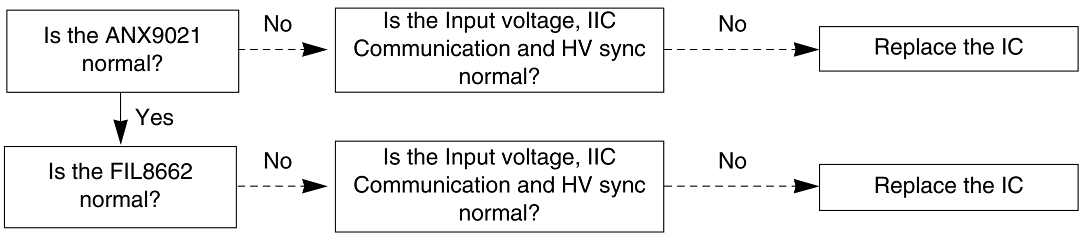
(4) In the case of becomes unusual display from RF, AV mode



(5) In the case of becomes unusual display from Component, RGB mode



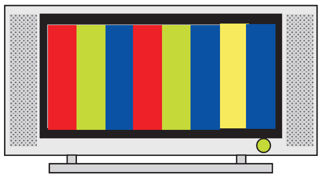
(6) In the case of becomes unusual display from HDMI mode



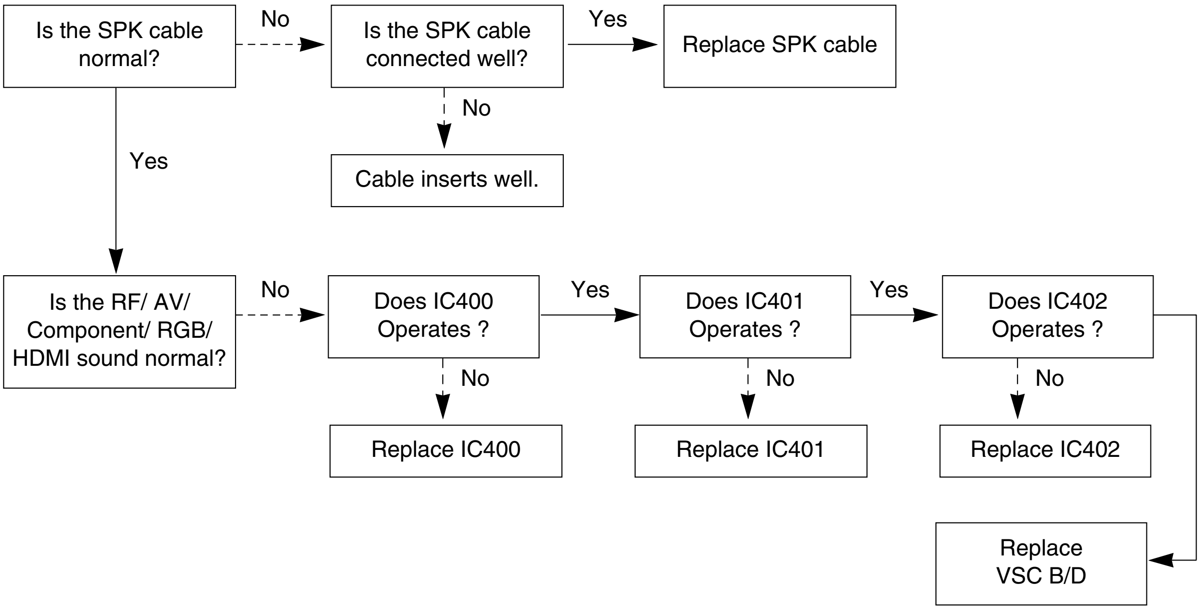
6. In case of no sound

(1) Symptom

1) LED is white.
2) Screen display but sound is not output.

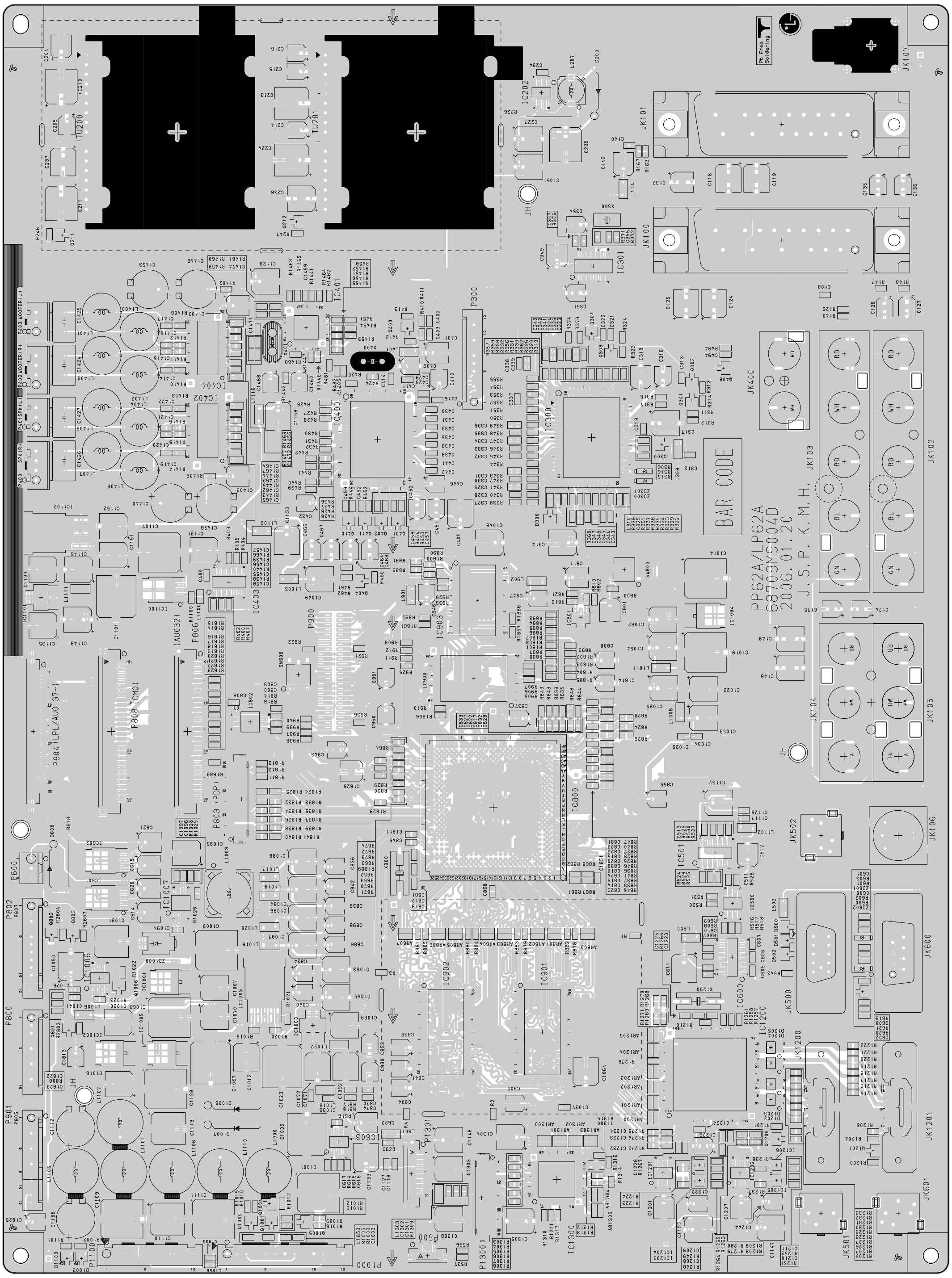


(2) Check following

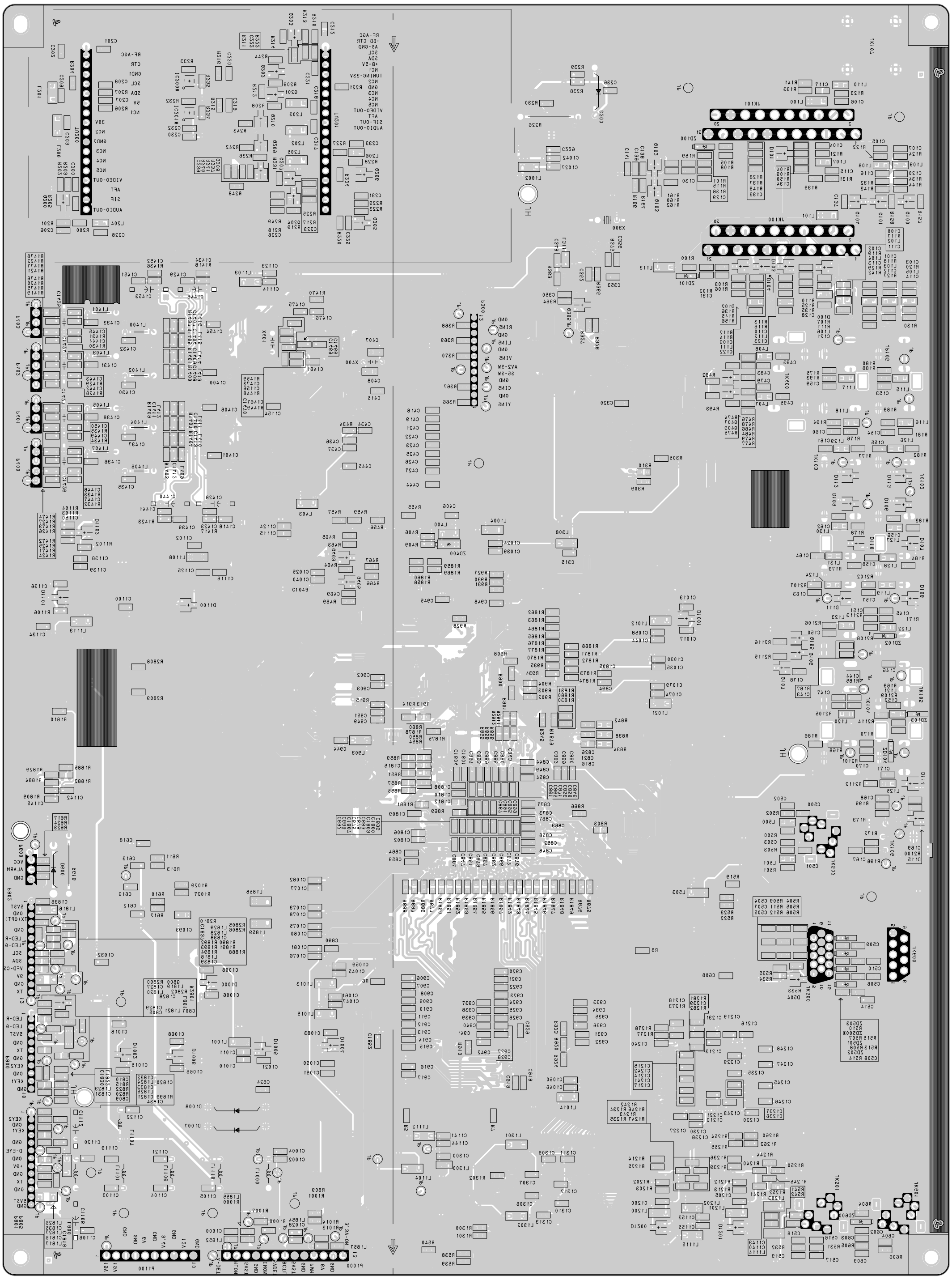


PRINTED CIRCUIT BOARD

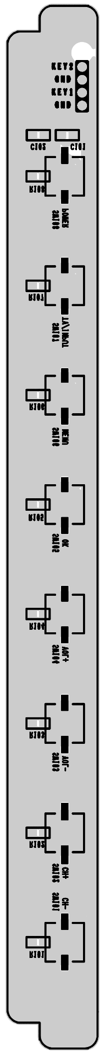
MAIN(TOP)



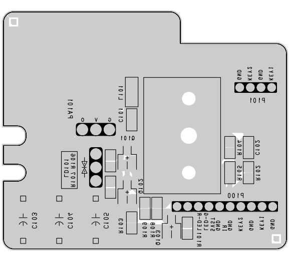
MAIN(BOTTOM)



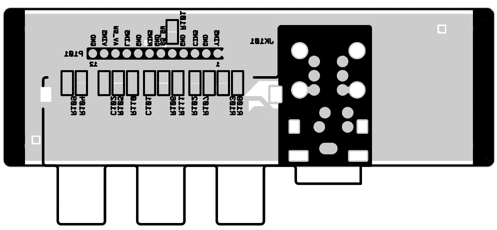
CONTROL



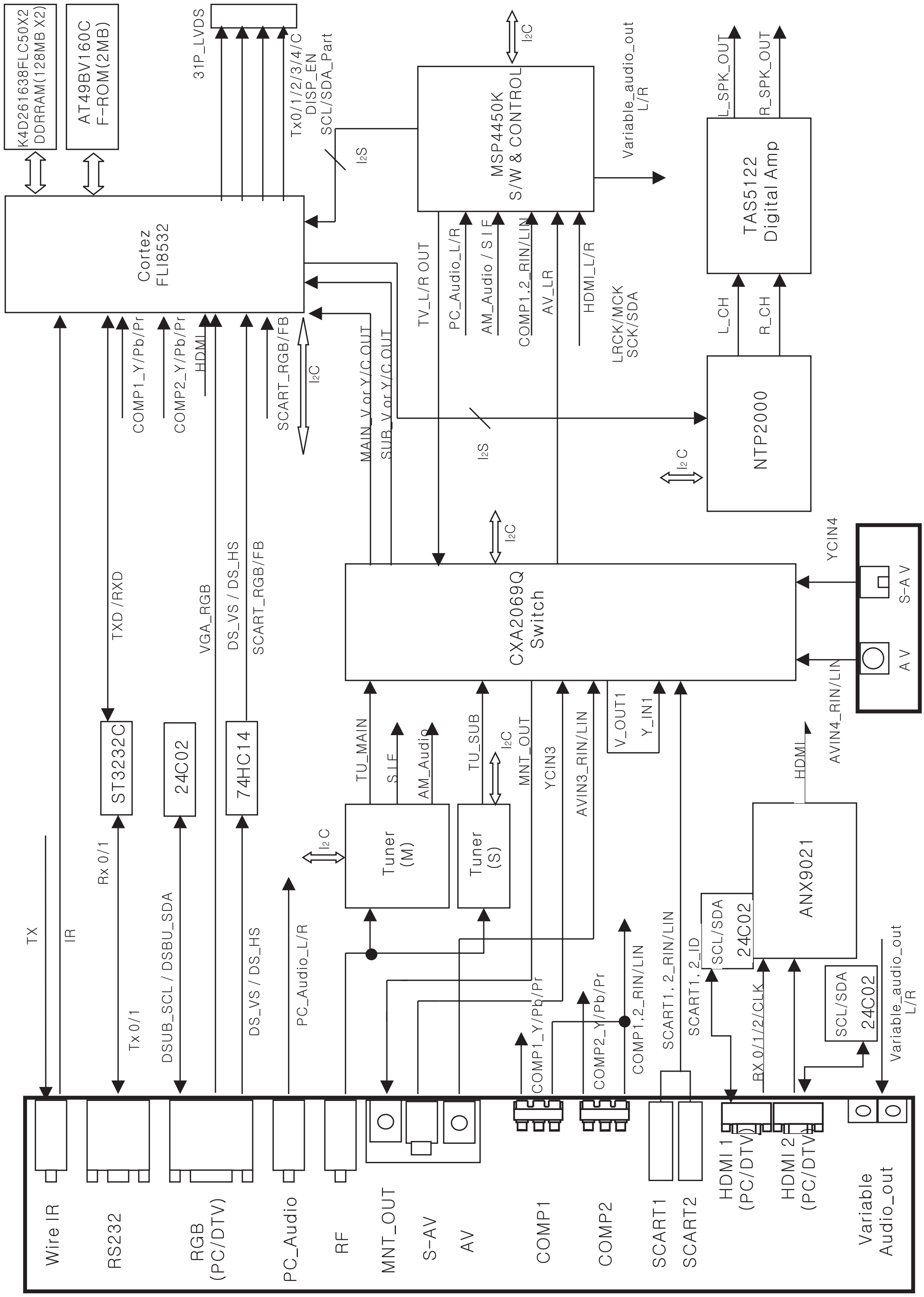
PRE-AMP



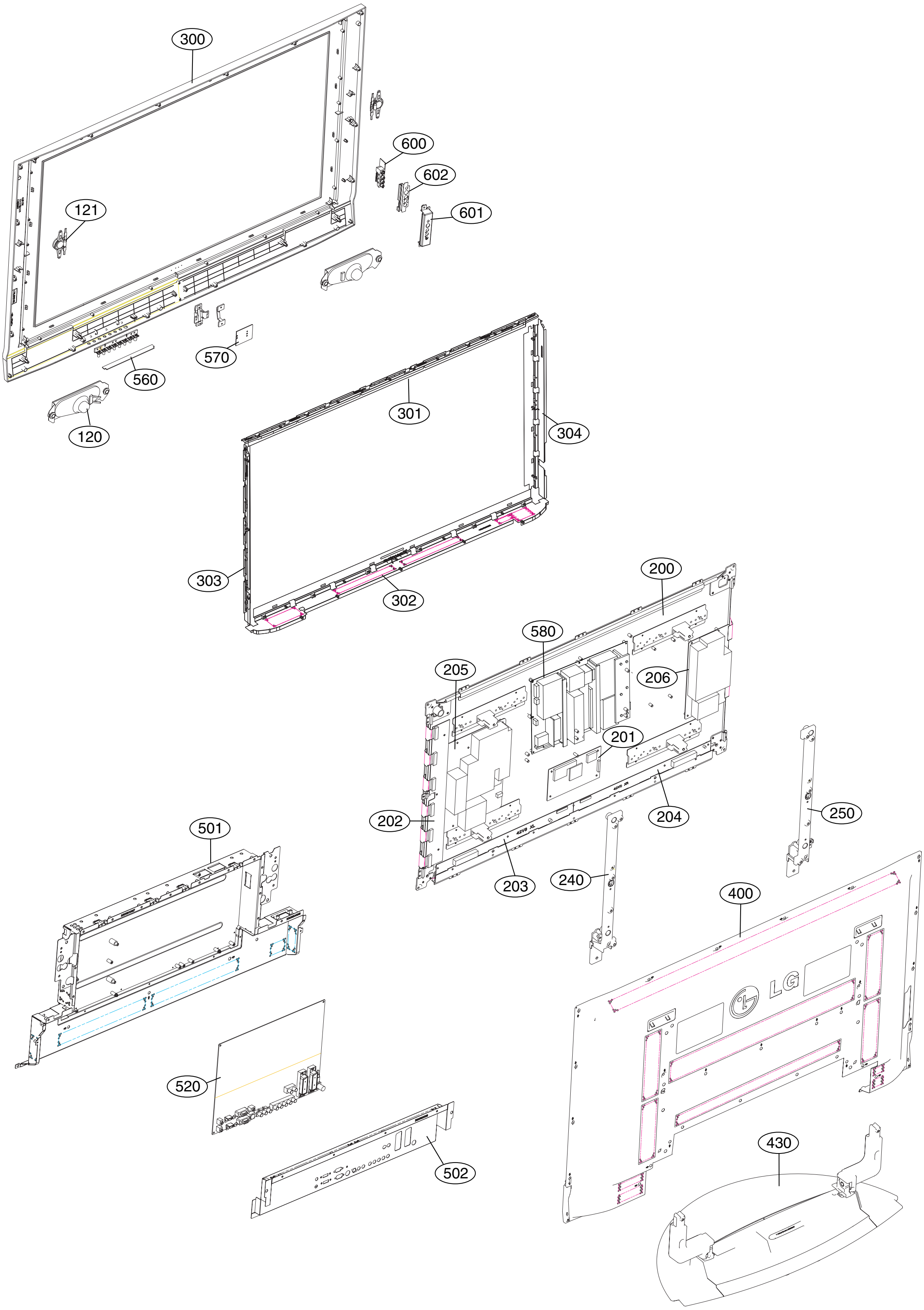
SIDE A/V



BLOCK DIAGRAM



EXPLODED VIEW



EXPLODED VIEW PARTS LIST

The components identified by mark ⚠ is critical for safety.
Replace only with part number specified.

No.	Part No.	Descriptions
120	6400WMCX03A	SPEAKER, WOOFER G1560102 MACOM WOOFER 8OHM 15/20W 82DB OTHERS 100HZ 193*57MM
121	6400DTTX02B	SPEAKER, TWEETER EN15D-6659 TOPTONE TWEETER(DOME) 8OHM 15/20W 78DB OTHERS PC1 MODEL
	6400DTTX02C	Speaker, Tweeter EN15D-6659-1 N35 15W 8OHM 81DB - 38.3X88mM LUG ALRLLH(RUSSIA)
⚠ 200	6348Q-E066H	PDP, Module-XGA PDP42X30201.AKLGG XGA 42INCH 1024X768 16/9 ALRLLH(RUSSIA)
⚠	6348Q-E128J	PDP, 42 1024*768 PDP42X30201.ADLGB
⚠ 201	6871QCH077A	PWB(PCB) ASSEMBLY, DISPLAY CTRL ASSY HAND INSERT 42HD 42X3 CTRL ASSY HAND
⚠ 202	6871QDH117A	PWB(PCB) ASSEMBLY, DISPLAY YDRV ASSY HAND INSERT 42HD 42X3 YDRV HAND INSERT
⚠ 203	6871QLH059A	PWB(PCB) ASSEMBLY, DISPLAY XRLT ASSY HAND INSERT 42HD 42X3 XRLT ASSY HAND
⚠ 204	6871QRH068A	PWB(PCB) ASSEMBLY, DISPLAY XRRT ASSY HAND INSERT 42HD 42X3 XRRT ASSY
⚠ 205	6871QYH053B	PWB(PCB) ASSEMBLY, DISPLAY YSUS ASSY HAND INSERT 42HD 42X3 VER.B
⚠ 206	6871QZH056B	PWB(PCB) ASSEMBLY, DISPLAY ZSUS ASSY HAND INSERT 42HD 42X3 VER.B
240	4980900109A	Supporter, COMPLEX ASSY AL 42PC1R-TA, VERTICAL RIGHT ALRLLH(RUSSIA)
	4980900109C	SUPPORTER, ASSY AL 42PC1R-TA, VERTICAL RIGHT, C/SKD
250	4980900109B	Supporter, COMPLEX ASSY AL 42PC1R-TA, VERTICAL LEFT ALRLLH(RUSSIA)
	4980900109D	SUPPORTER, ASSY AL 42PC1R-TA, VERTICAL LEFT, C/SKD
⚠ 300	30919E0024C	Cover Assembly, 42PC1R-ZH BRAND 30909E0008A 3211900003A(LG) ALRLLH(RUSSIA)
	30919E0024Q	CABINET ASSEMBLY, 42PC1R-ZH BRAND 30909E0008 3211900003A C/SKD
301	4980900113A	Supporter, COMPLEX ASSY AL FILTER TOP 42PC1R-TA ALRLLH(RUSSIA)
	4980900113B	SUPPORTER, ASSY AL FILTER TOP 42PC1R-TA C/SKD
302	4980900114A	Supporter, COMPLEX ASSY AL FILTER BOTTOM 42PC1R-TA ALRLLH(RUSSIA)
	4980900114B	SUPPORTER, ASSY AL FILTER BOTTOM 42PC1R-TA C/SKD
303	4980900115A	Supporter, COMPLEX ASSY AL FILTER RIGHT 42PC1R-TA ALRLLH(RUSSIA)
	4980900115B	SUPPORTER, ASSY AL FILTER RIGHT 42PC1R-TA, C/SKD
304	4980900116A	Supporter, COMPLEX ASSY AL FILTER LEFT 42PC1-TA ALRLLH(RUSSIA)
	4980900116B	SUPPORTER, ASSY AL FILTER LEFT 42PC1-TA, C/SKD
⚠ 400	3809900103A	Cover Assembly, 42PC1R NON ANALOG ALRLLH(RUSSIA)
	3809900103P	BACK COVER ASSEMBLY, 42PC1 NON LGEMA ASSY ONLY (ANALOG)
⚠ 430	3501900014A	Base Assembly, D/T SPK STAND AP-42DC11 MF056A FOLDING STAND ALRLLH(RUSSIA)
	3501900014C	BOARD ASSEMBLY, D/T SPK STAND AP-42DC11 MF056A FOLDING STAND LGERS C/SKD
501	3301900095B	PLATE ASSEMBLY, AV 3301900098A 3300900017B(PRESS) 42PC CORTEZ-A
	3301900095P	PLATE ASSEMBLY, AV 3301900098A 3300900017H(PRESS) H3 C/SKD 42PC1R-ZH.KETLLMP
502	3301900094A	PLATE ASSEMBLY, ASSY 3300900010B CORTEZ-A PDP PC SERIES COMMON
	3301900094F	PLATE ASSEMBLY, ASSY 3300900010G VCTP PDP PC SERIES CORTEZ-A, EU, 42PC1R-ZH.KETLLMP C/SKD
520	68719MMU02A	PWB(PCB) ASSEMBLY, MAIN MAIN1 M.I PP62A 42PC1R . H3-CORTEZ
	68719MMX35A	PWB(PCB) ASSEMBLY, MAIN MAIN1 M.I PP62A 42PC1R-ZH KETLLMP CKD MANUAL INSERT FOR CKD
560	6719SMH44A	PWB(PCB) ASSEMBLY, SUB SUB M.I PP62A 42PC1R AMLLKX CLTR
	68719SMM72A	PWB(PCB) ASSEMBLY, SUB SUB M.I PP62A 42PC1R-ZH KETLLMP LOCAL-KEY CTRL MANUAL CKD LGEMA
570	68719SMH46A	PCB Assembly, Sub SUB M.I PP62A 42PC1R ATLLKR H3 PREAMP ALRLLH(RUSSIA)
	68719SML93A	PWB(PCB) ASSEMBLY, SUB SUB M.I PP62A 42PC1R-ZH SETLLJP DMS SKD PREAM
	68719SMM71A	PWB(PCB) ASSEMBLY, SUB SUB M.I PP62A 42PC1R-ZH KETLLMP PREAMP MANUAL CKD FOR LGEMA
⚠ 580	6709900019A	POWER SUPPLY ASSEMBLY, 42INCH UNIFICATION PSU PDP LGIT PA61B 400W 42PB2D
600	68719SML49A	PCB Assembly, Sub SUB M.I PP62A 42PC1R-ZH AEULLAX H3H SIDE A/V ALRLLH(RUSSIA)
	68719SML91A	PWB(PCB) ASSEMBLY,SUB SUB M.I PP62A 42PC1R-ZH SETLLJ DMS SKD SIDE A/V
	68719SMM70A	PWB(PCB) ASSEMBLY, SUB SUB M.I PP62A 42PC1R-ZH KETLLMP SIDE A/V MANUAL CKD FOR LGEMA
601	4811900021C	BRACKET ASSEMBLY, SIDE AV 42PC1R-ZH PP62A CORTEZ-A, E
602	48149V0003A	SHIELD, SIDE AV 42PC1R

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
IC		
IC1000	0IPRPML001A	MIC39100 MICREL 3P SOT223 R/TP LDO
IC1001	0IPMGRH001G	BA33BC0FP-E2 ROHM 3P,TO252 R/TP
IC1002	0IMCRFA010A	KA7809R, FAIRCHILD 2P D-PAK, R/TP
IC1003	0IPMG00027A	SC156515M-1.8TR SEMTECH 5P/TO-263-5
IC1004	0IPMGRH001G	BA33BC0FP-E2 ROHM 3P,TO252 R/TP
IC1005	0IPMGRH001G	BA33BC0FP-E2 ROHM 3P,TO252 R/TP
IC1100	0IPMGKE030A	KIA78R05F KEC 5PIN DPAK R/TP 1A,5V
IC1101	0IPRPML001A	MIC39100 MICREL 3P SOT223 R/TP
IC1102	0IPMG00027A	SC156515M-1.8TR SEMTECH 5P/TO-263-5
IC1103	0IPMGKE030A	KIA78R05F KEC 5PIN DPAK R/TP 1A,5V
IC1200	0IPRP00735A	ANX9021 ANALOGIX 144P,TQFP TRAY
IC1201	0IMMRAL014B	AT24C02N-10SI-2.7 ATMEL 8P SOIC R/TP
IC1202	0IMMRAL014B	AT24C02N-10SI-2.7 ATMEL 8P SOIC R/TP
IC300	0ISO206900A	CXA2069Q QFP64 BK I2C BUS AV S/W
IC301	0ISA721700C	LA7217M MFP14 TP SYNC SEPARATOR
IC400	0IMCRMN028C	MSP4450K-QA-D6 MICRONAS 80P/PQFP
IC401	0IPRP00718A	NTP-2000 NEOFIDELITY 48P,LQFP TRAY
IC402	0IMCRTI028C	TAS5122DCARG4,LF TEXAS INSTRUMENT
IC403	0IPH741400E	74HC14D 14SOP TP SHITTER TRIGGER
IC500	0IMMRAL014B	AT24C02N-10SI-2.7 ATMEL 8P SOIC R/TP
IC501	0IPH741400E	74HC14D 14SOP TP SHITTER TRIGGER
IC600	0IPRP00009A	ICL3232CBNZ INTERSIL 16P/SOP R/TP
IC800	0IPRP00692B	FLI8662-LF-AB-XD GENESIS 416P,PBGA
IC802	0IMP242560A	24LC256-I/SM 8P,SOP TP 256K IIC
IC901	0IMMR00002A	K4D261638F-LC50,LF TSOPII 66P TRAY
IC902	0IMMR00002A	K4D261638F-LC50,LF TSOPII 66P TRAY
IC900	692791145AB	SOFT WARE, 2.00V A8AA PDP PP62A 42PC1R-ZH
TRANSISTOR		
IC1006	0TF492509AA	SI4925DY TP TEMIC 30V 6.1A SO-8
IC1203	0TR830009BA	BSS83 TP PHILIPS N-CHANNEL S/W TR
IC1204	0TR830009BA	BSS83 TP PHILIPS N-CHANNEL S/W TR
IC1205	0TR830009BA	BSS83 TP PHILIPS N-CHANNEL S/W TR
IC1206	0TR830009BA	BSS83 TP PHILIPS N-CHANNEL S/W TR
IC502	0TR830009BA	BSS83 TP PHILIPS N-CHANNEL S/W TR
IC503	0TR830009BA	BSS83 TP PHILIPS N-CHANNEL S/W TR
Q100	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q1000	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q1001	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q1004	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q1005	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q1006	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q101	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q101	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q102	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q102	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q103	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q104	0TR102008AA	KRA102S R/TP KEC SOT23 CHIP TR
Q105	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q106	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q107	0TR102008AA	KRA102S R/TP KEC SOT23 CHIP TR

LOCA. NO	PART NO	DESCRIPTION
Q1200	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q1201	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q200	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q201	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q202	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q203	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q204	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q205	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q206	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q207	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q208	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q209	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q210	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q211	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q212	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q300	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q301	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q302	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q303	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q304	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q305	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q400	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q401	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q402	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q403	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q404	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q405	0TR102008AA	KRA102S R/TP KEC SOT23 CHIP TR
Q407	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q408	0TR102008AA	KRA102S R/TP KEC SOT23 CHIP TR
Q409	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q410	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q411	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q600	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q800	0TR102009AJ	KRC102S KEC REEL TAPING SOT23 50V
Q801	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
DIODE		
D100	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D1000	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D1001	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D1002	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D1004	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D1005	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D1006	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D1007	0DD200009AF	RU2M V(1) TP SANKEN R-TMD 400V
D1008	0DD200009AF	RU2M V(1) TP SANKEN R-TMD 400V
D101	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D102	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D103	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D104	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D106	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D107	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D108	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA

For Capacitor & Resistors, the charactors at 2nd and 3rd digit in the P/No. means as follows;	CC, CX, CK, CN : Ceramic CQ : Polyestor CE : Electrolytic	RD : Carbon Film RS : Metal Oxide Film RN : Metal Film RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
D109	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D110	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D1100	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D1101	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D1102	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D111	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D112	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D113	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D114	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D115	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D1200	0DD184009AA	KDS184 TP KEC - 85V - 300MA
D1201	0DD184009AA	KDS184 TP KEC - 85V - 300MA
D1202	0DRSE00048A	RLCAMP0504M SEMTECH R/TP MSOP
D1203	0DRSE00048A	RLCAMP0504M SEMTECH R/TP MSOP
D1204	0DRSE00048A	RLCAMP0504M SEMTECH R/TP MSOP
D1205	0DRSE00048A	RLCAMP0504M SEMTECH R/TP MSOP
D300	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D500	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D501	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D502	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D504	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D600	0DD100009AM	EU1ZV(1) TP SANKEN E/EO-TMD 200V
ZD100	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A
ZD101	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A
ZD300	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A
ZD301	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A
ZD400	0DZRM00248A	RLZ8.2B-TE11 ROHM R/TP LLDS(LL-34)
ZD501	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A
ZD502	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A
ZD503	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A
ZD600	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A
CAPACITOR		
C1000	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C1001	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1002	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1003	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C1004	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1005	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1006	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1007	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1008	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1009	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C101	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
C1010	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1011	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1012	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1013	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1014	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1015	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1016	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1017	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R

LOCA. NO	PART NO	DESCRIPTION
C1018	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1019	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C102	0CC330CK41A	33PF 1608 50V 5% R/TP NP0
C1020	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1021	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1022	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1023	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1024	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1025	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1026	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1027	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1029	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C103	0CE4763F618	47UF SRE,SE 16V 20% FL TP 5
C1030	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1031	0CE476SK6D8	47UF MVG,MC 50V 20% SMD TAPPING
C1032	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1034	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1035	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1039	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C104	0CE4763F618	47UF SRE,SE 16V 20% FL TP 5
C1040	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1041	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1042	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1044	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1045	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1046	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1047	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1048	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1049	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C105	0CE4763F618	47UF SRE,SE 16V 20% FL TP 5
C1050	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1051	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1053	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1054	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1058	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1059	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1060	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1061	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1062	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1063	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1064	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1065	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1066	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1067	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1068	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1069	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1070	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1071	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1072	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1073	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1074	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1075	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R

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LOCA. NO	PART NO	DESCRIPTION
C1076	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1077	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1078	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1079	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C108	0CC221CK41A	220PF 1608 50V 5% R/TP NP0
C1080	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1081	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1082	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1083	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1084	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1085	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1086	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1087	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1088	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1089	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C109	0CC221CK41A	220PF 1608 50V 5% R/TP NP0
C1090	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1091	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1092	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C110	0CC221CK41A	220PF 1608 50V 5% R/TP NP0
C1100	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1101	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1102	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1103	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1104	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1105	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1106	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1107	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1108	0CE477DJ618	470UF STD 35V 20% FL TP 5
C1109	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C111	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1110	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C1111	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1112	0CE477DJ618	470UF STD 35V 20% FL TP 5
C1113	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C1114	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1115	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1116	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1117	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1118	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1119	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C112	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C1120	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1121	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1122	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1123	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1124	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1125	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1126	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1127	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1128	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1129	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP

LOCA. NO	PART NO	DESCRIPTION
C113	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1130	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1131	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1132	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1133	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1134	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1135	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1136	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1137	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1138	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1139	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C114	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C1140	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1141	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1142	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1143	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1144	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1145	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1146	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1147	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1148	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1149	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C115	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1150	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1151	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1152	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1153	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1154	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1155	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1156	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1157	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1158	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C116	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C117	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C118	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C119	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C120	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C1200	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1201	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1202	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1205	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1207	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C121	0CC331CK41A	330PF 1608 50V 5% R/TP NP0
C1212	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1213	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1214	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1215	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1216	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C1217	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C1218	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C1219	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C122	0CC331CK41A	330PF 1608 50V 5% R/TP NP0

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LOCA. NO	PART NO	DESCRIPTION
C1220	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C1221	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C1222	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C1223	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C1223	0CC180CK41A	18PF 1608 50V 5% R/TP NP0
C1224	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C1224	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1225	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C1225	0CC180CK41A	18PF 1608 50V 5% R/TP NP0
C1226	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C1226	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C1227	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C1227	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1228	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y5P)
C1229	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C1229	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C123	0CC331CK41A	330PF 1608 50V 5% R/TP NP0
C1230	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1231	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1235	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C1236	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C1237	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C1238	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C1239	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C124	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C1240	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C1241	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C1242	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C1243	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C1244	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C1244	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C1245	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1246	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1247	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C1247	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1248	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1249	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C125	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C1250	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C1251	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C1252	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C1253	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C126	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C127	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C130	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C132	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C135	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C136	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C137	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C138	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C139	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1401	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R

LOCA. NO	PART NO	DESCRIPTION
C1403	0CE106SK6DC	10UF MVG 50V 20% SMD R/TP
C1405	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1406	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C141	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1410	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1411	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1412	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1413	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1418	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1419	0CK333CK56A	33000PF 1608 50V 10% R/TP X7R
C142	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1420	0CK333CK56A	33000PF 1608 50V 10% R/TP X7R
C1421	0CK333CK56A	33000PF 1608 50V 10% R/TP X7R
C1422	0CK333CK56A	33000PF 1608 50V 10% R/TP X7R
C1423	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1426	0CF4741L438	0.47UF D 63V 5% TP 5 M/PE NI
C1427	0CF4741L438	0.47UF D 63V 5% TP 5 M/PE NI
C1428	0CE477DJ618	470UF STD 35V 20% FL TP 5
C1435	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1436	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1437	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1438	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1439	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1441	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1446	0CE477DJ618	470UF STD 35V 20% FL TP 5
C1447	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1448	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1449	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1450	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1455	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1456	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1457	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP
C1458	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP
C1459	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C1460	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C1461	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1466	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1467	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
C1468	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C1469	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C147	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C1470	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0
C1473	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1474	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0
C1475	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1476	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C148	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C149	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C150	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C151	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C152	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C174	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP

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LOCA. NO	PART NO	DESCRIPTION
C175	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C178	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1800	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1801	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1802	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1803	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1804	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1805	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1806	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1807	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1808	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1809	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1810	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1811	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1812	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1813	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C1814	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C200	0CC331CK41A	330PF 1608 50V 5% R/TP NP0
C201	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C203	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C205	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C206	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C207	0CC270CK41A	27PF 1608 50V 5% R/TP NP0
C208	0CC270CK41A	27PF 1608 50V 5% R/TP NP0
C209	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C210	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C211	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C213	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C214	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C215	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C217	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C218	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C219	0CC270CK41A	27PF 1608 50V 5% R/TP NP0
C220	0CC270CK41A	27PF 1608 50V 5% R/TP NP0
C221	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C222	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C223	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
C224	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C225	0CK273CK56A	27000PF 1608 50V 10% X7R R/TP
C226	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C227	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C228	0CC271CK41A	270PF 1608 50V 5% R/TP NP0
C229	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C231	0CK273CK56A	27000PF 1608 50V 10% X7R R/TP
C233	0CC271CK41A	270PF 1608 50V 5% R/TP NP0
C234	0CC271CK41A	270PF 1608 50V 5% R/TP NP0
C235	0CE476SK6D8	47UF MVG,MC 50V 20% SMD TAPPING
C236	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C237	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C238	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C312	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C313	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R

LOCA. NO	PART NO	DESCRIPTION
C314	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C315	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C316	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C317	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C318	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C319	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C320	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C321	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C322	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C326	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C327	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C328	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C329	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C330	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C331	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C332	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C333	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C334	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C335	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C336	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C337	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C338	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C339	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C340	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C341	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C342	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C343	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C344	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C345	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C346	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C347	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C348	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C349	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C350	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0
C351	0CE105SK6DC	1UF MVG 50V 20% SMD R/TP
C352	0CK563CK56A	56000PF 1608 50V 10% X7R R/TP
C353	0CK223CK56A	22000PF 1608 50V 10% X7R R/TP
C354	0CE105SK6DC	1UF MVG 50V 20% SMD R/TP
C355	0CK821CK56A	820PF 1608 50V 10% R/TP X7R
C356	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C357	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C401	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C402	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C403	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C405	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C406	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C407	0CH5010K116	1PF 50V 0.5 PF NP0 2012 R/TP
C408	0CH5010K116	1PF 50V 0.5 PF NP0 2012 R/TP
C409	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C411	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C412	0CE335VK6DC	3.3UF MV 50V 20% R/TP(SMD) SMD
C414	0CC560CK41A	56PF 1608 50V 5% R/TP NP0

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LOCA. NO	PART NO	DESCRIPTION
C415	0CC560CK41A	56PF 1608 50V 5% R/TP NP0
C416	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C428	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C429	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C430	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C431	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C432	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C433	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C434	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C435	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C436	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C437	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
C438	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C439	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C441	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C442	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C444	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C445	0CK471CK56A	470PF 1608 50V 10% R/TP X7R
C446	0CE335VK6DC	3.3UF MV 50V 20% R/TP(SMD) SMD
C451	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C452	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C457	0CK682CK51A	6800PF 1608 50V 10% R/TP B(Y5P)
C458	0CK682CK51A	6800PF 1608 50V 10% R/TP B(Y5P)
C459	0CK682CK51A	6800PF 1608 50V 10% R/TP B(Y5P)
C462	0CK682CK51A	6800PF 1608 50V 10% R/TP B(Y5P)
C463	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C464	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C466	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C467	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C469	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C479	0CK471CK56A	470PF 1608 50V 10% R/TP X7R
C483	0CK471CK56A	470PF 1608 50V 10% R/TP X7R
C493	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C494	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C495	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C502	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C503	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C506	0CC120CK41A	12PF 1608 50V 5% R/TP NP0
C511	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C512	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C514	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C515	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C603	0CC221CK41A	220PF 1608 50V 5% R/TP NP0
C605	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C606	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C607	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C608	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C609	0CC470CK41A	47PF 1608 50V 5% R/TP NP0
C610	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C611	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C612	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C613	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R

LOCA. NO	PART NO	DESCRIPTION
C614	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C615	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C618	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C619	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C620	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C621	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C622	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C623	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C800	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C803	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C806	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C809	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C810	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C812	0CC300CK41A	30PF 1608 50V 5% R/TP NP0
C813	0CC300CK41A	30PF 1608 50V 5% R/TP NP0
C814	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C815	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C816	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C817	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C818	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C819	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C820	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C821	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C822	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C823	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C824	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C825	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C826	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C827	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C828	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C829	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C830	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C831	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C832	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C833	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C834	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C835	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C836	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C837	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C838	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C839	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C840	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C841	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C842	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C843	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C844	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C845	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C846	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C847	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C848	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C849	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C850	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R

For Capacitor & Resistors, the charactors at 2nd and 3rd digit in the P/No. means as follows;	CC, CX, CK, CN : Ceramic CQ : Polyestor CE : Electrolytic	RD : Carbon Film RS : Metal Oxide Film RN : Metal Film RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
C851	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C852	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C853	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C854	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C855	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C856	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C857	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C858	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C859	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C860	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C861	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C862	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C863	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C864	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C865	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C866	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C867	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C868	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C869	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C870	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C871	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C872	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C873	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C874	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C875	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C876	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C877	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C878	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C879	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C880	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C881	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C882	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C883	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C884	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C885	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C886	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C887	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C888	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C889	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C890	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C891	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C892	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C893	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C894	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C895	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C896	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C897	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C898	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C899	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C901	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C902	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C903	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C904	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C905	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C906	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C907	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C908	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C909	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C910	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C911	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C912	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C913	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C914	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C915	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C916	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C917	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C918	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C919	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C920	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C921	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C922	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C923	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C924	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C925	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C926	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C927	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C928	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C929	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C930	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C931	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C932	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C933	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C934	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C935	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C936	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C937	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C938	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C939	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C940	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C941	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C942	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C943	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C944	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C945	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C946	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C947	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C948	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C949	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C950	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C951	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R

COIL

LOCA. NO	PART NO	DESCRIPTION
L1000	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N 0.4
L1101	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N 0.4

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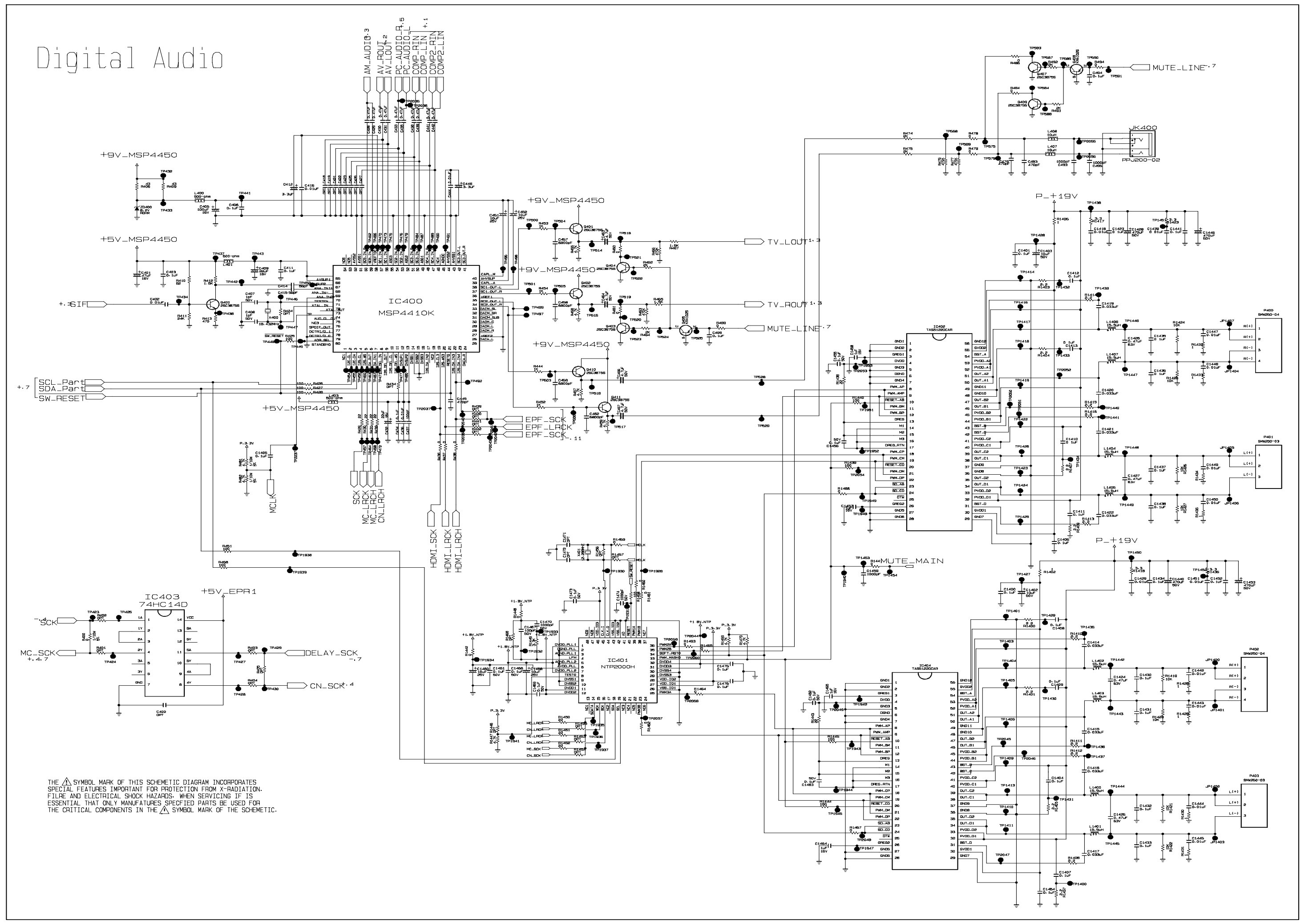
LOCA. NO	PART NO	DESCRIPTION
L1105	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N 0.4
L1106	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N 0.4
L1107	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N 0.4
L1110	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N 0.4
L1404	6140VB0032A	DBF-1015A 15.5UH 10PIE DIGITAL AUDIO
L1405	6140VB0032A	DBF-1015A 15.5UH 10PIE DIGITAL AUDIO
L1406	6140VB0032A	DBF-1015A 15.5UH 10PIE DIGITAL AUDIO
L1407	6140VB0032A	DBF-1015A 15.5UH 10PIE DIGITAL AUDIO
CONNECTOR		
C1	6631900010K	12P 2.0MM 600MM H-H UL1185AWG26
C2	6631900012C	10P 2.5MM 200MM H-H UL1007AWG24
C3	6631900048C	4P 2.0MM 250MM H-H UL1061AWG26
C4	6631900048C	4P 2.0MM 250MM H-H UL1061AWG26
C5	6631900050D	10P 2.0MM 1000MM H-H UL1185AWG26
C6	6631T12006W	4P-4P H-H 550MM UL1061AWG28 TWI
C7	6631T25020L	13P 2.5MM 250MM H-H UL1007AWG24
C8	6631T39004D	9P-9P H-H 220MM UL1007AWG18 TWI
C9	6631V39013N	8P 3.96MM 900MM H-H UL1617AWG22
JK500	6630G70016A	A03-7071-094 SPG 15P 2.29MM RGB
JK600	6630G70017A	A02-0915-101 SPG 9P 2.54MM RS232
RESISTOR		
R618	0RD0562H609	56 OHM 1/2 W 5.00% TA52
LED		
D1003	0DL233309AC	SAM2333 TP KWANG GREEN/RED
D1103	0DL233309AC	SAM2333 TP KWANG GREEN/RED
LD101	0DLAU0410AA	AUK SAW5670 BULK AMBER/WHITE LAMP
SWITCH		
SW101	140-313B	TACT, 2LEAD 160G(TA) LG C&D 5V 0.001A
SW102	140-313B	TACT, 2LEAD 160G(TA) LG C&D 5V 0.001A
SW103	140-313B	TACT, 2LEAD 160G(TA) LG C&D 5V 0.001A
SW104	140-313B	TACT, 2LEAD 160G(TA) LG C&D 5V 0.001A
SW105	140-313B	TACT, 2LEAD 160G(TA) LG C&D 5V 0.001A
SW106	140-313B	TACT, 2LEAD 160G(TA) LG C&D 5V 0.001A
SW107	140-313B	TACT, 2LEAD 160G(TA) LG C&D 5V 0.001A
SW108	140-313B	TACT, 2LEAD 160G(TA) LG C&D 5V 0.001A
SW800	6600VR1004A	TACT, SKHMPW 5P CHIP TACT J-ALPS .V .A
SW900	6600VR1004A	TACT, SKHMPW 5P CHIP TACT J-ALPS .V .A
FILTER & CRYSTAL		
L100	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1001	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1002	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1004	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1005	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1006	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1008	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L101	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1011	6200J000013	MLB-321611-0500P-N2 MAG LAYERS

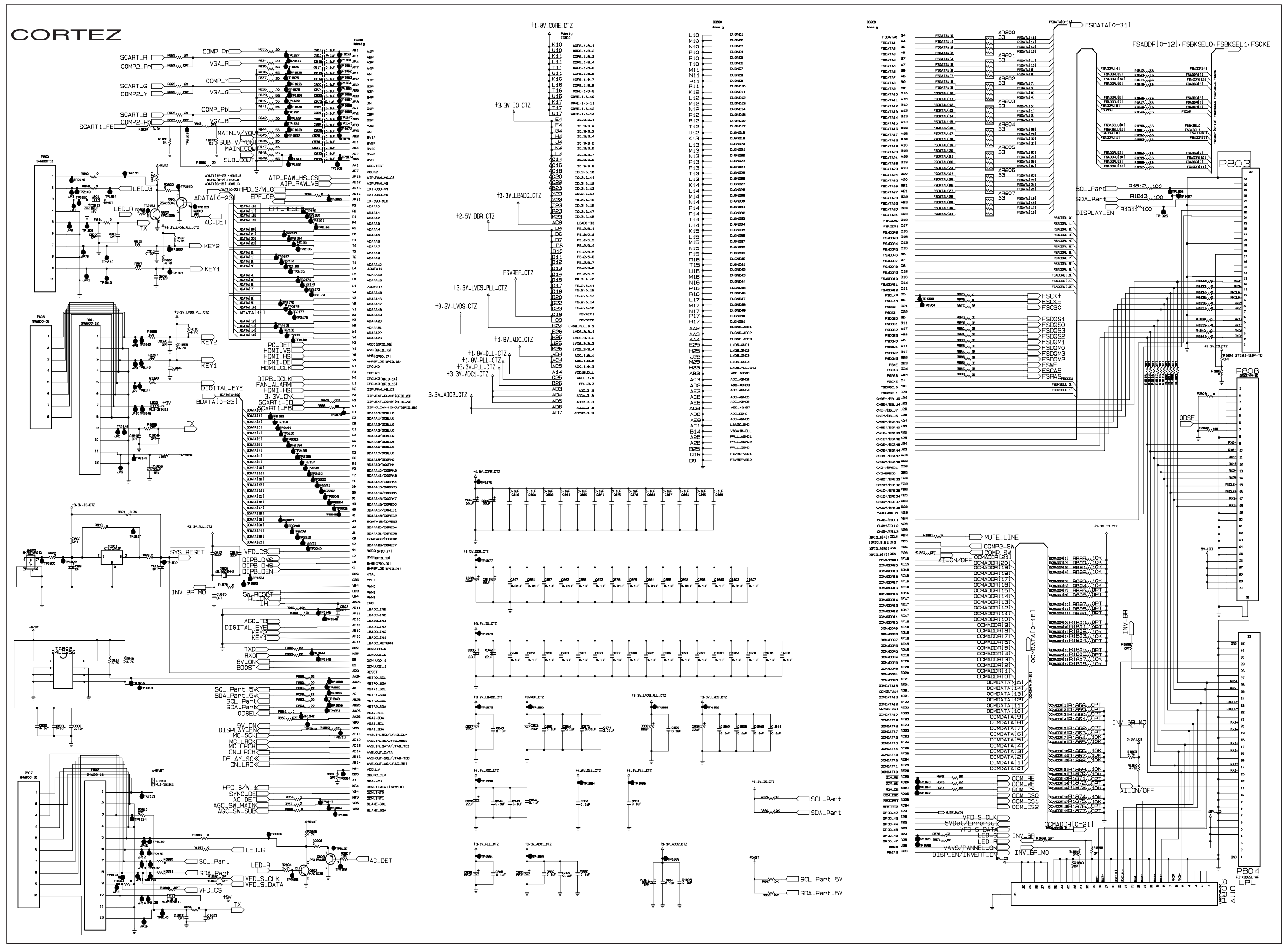
LOCA. NO	PART NO	DESCRIPTION
L1012	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1013	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1014	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1015	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1016	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1017	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1018	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1019	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1020	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1021	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1022	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1102	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1103	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1104	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1108	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1109	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1111	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1112	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1113	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1114	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1115	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1116	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L113	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L114	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L115	6200JB8010L	MLB-201209-1000L-N2 MAG LAYERS
L116	6200JB8010L	MLB-201209-1000L-N2 MAG LAYERS
L117	6200JB8010L	MLB-201209-1000L-N2 MAG LAYERS
L118	6200JB8010L	MLB-201209-1000L-N2 MAG LAYERS
L119	6200JB8010L	MLB-201209-1000L-N2 MAG LAYERS
L1200	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1201	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1202	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L1203	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L124	6200JB8010L	MLB-201209-1000L-N2 MAG LAYERS
L125	6200JB8010L	MLB-201209-1000L-N2 MAG LAYERS
L201	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L203	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L205	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L308	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L309	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L310	6200JB8010L	MLB-201209-1000L-N2 MAG LAYERS
L400	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L401	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L403	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L500	6200JB8010L	MLB-201209-1000L-N2 MAG LAYERS
L501	6200JB8010L	MLB-201209-1000L-N2 MAG LAYERS
L502	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L503	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L600	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L601	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L801	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L901	6200J000013	MLB-321611-0500P-N2 MAG LAYERS

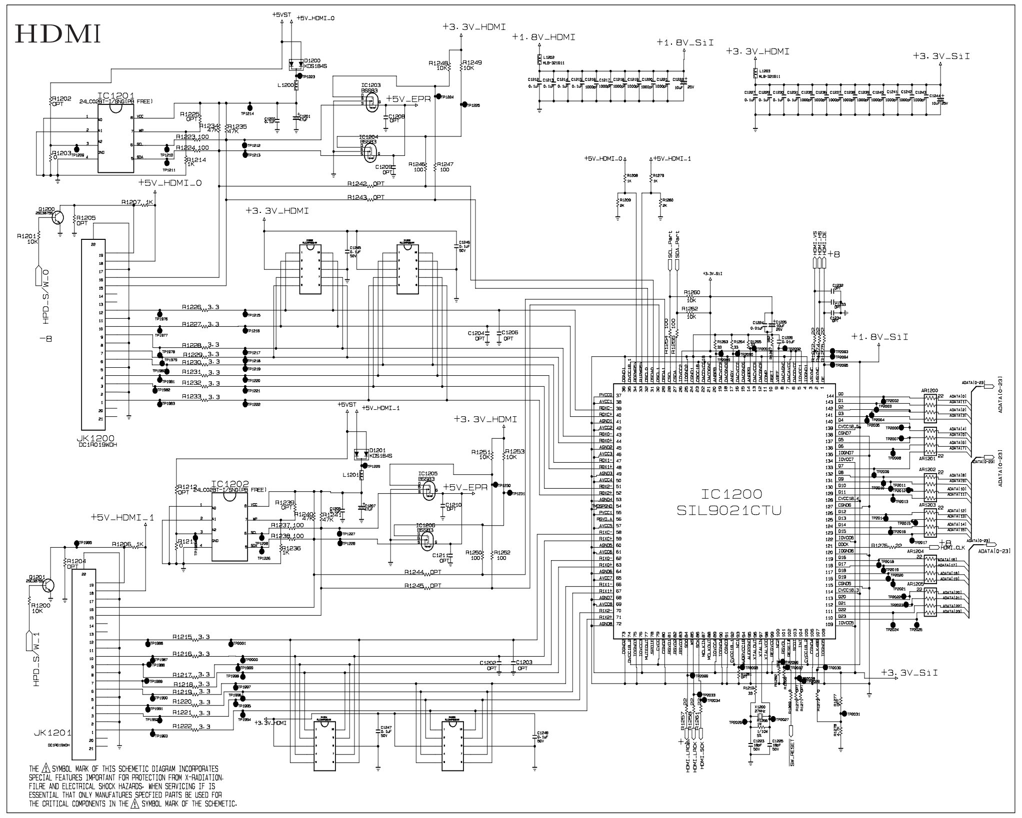
The components identified by mark ⚠ is critical for safety.
Replace only with part number specified.

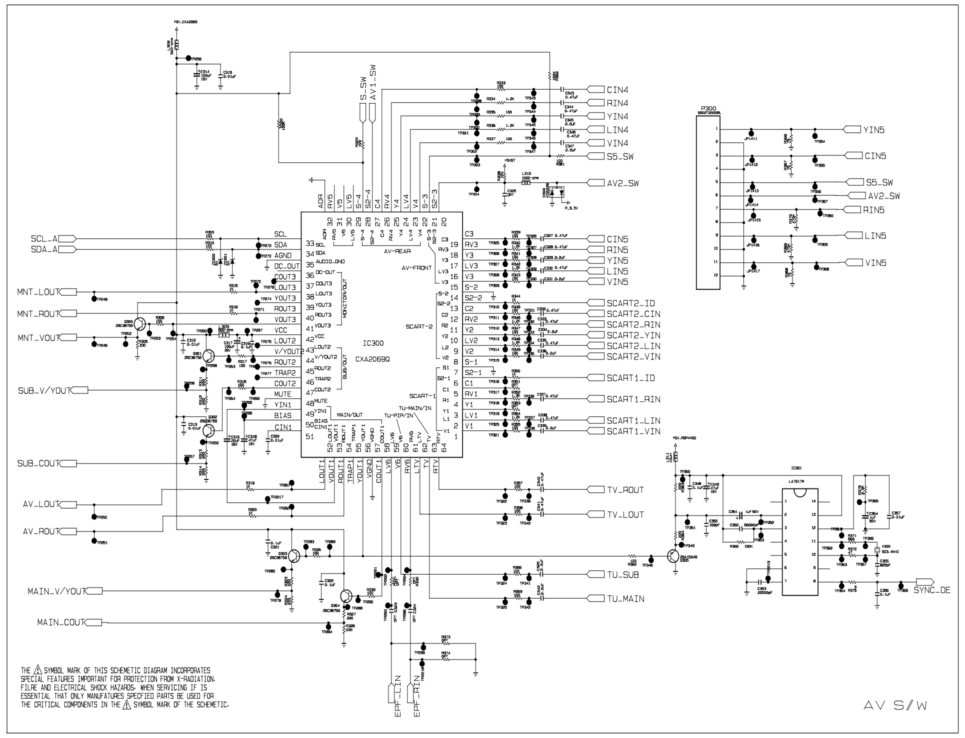
LOCA. NO	PART NO	DESCRIPTION
L902	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
L903	6200J000013	MLB-321611-0500P-N2 MAG LAYERS
T1300	6200JB8008S	SCR470R500 NIIGATA R/TP SMD 47PF
X1200	6202TST001H	CRYSTAL, SX-1 SUNNY 27MHZ +/- 30 PPM
X300	166-E02F	CERAMIC, CSBLA500KECZF09-B0 CSB500F9
X400	156-A02M	CRYSTAL, HC49U KJE RADIAL 18.432MHZ 30PPM
X401	6212AA2580B	CRYSTAL, HC-49U SUNNY 12.288MHZ +/- 30PPM
X800	6212AB2844A	CRYSTAL, ABLS-19.6608MHZ-22-B-4Y-T
X801	6202TST001H	CRYSTAL, SX-1 SUNNY 27MHZ +/- 30PPM
JACK		
JK100	6612J00043C	SCART, UPJ-R1-031 UGCOM S/T..
JK101	6612J10003X	RCA, PMJ6054-39 PARK ELEC. R/A 3P YWR
JK101	6612J00043C	SCART, UPJ-R1-031 UGCOM S/T..
JK102	6612J10031A	RCA, PPJ209-02 PARK 5P RCA(GBRWR)
JK105	6612J10003W	RCA, PPJ148-13 PARK ELEC. S/T 3P YWR
JK106	6612F00024C	DIN, PSJ014-01 PARK ELEC. S-VHS 4P
JK107	6612J10025A	RCA, KCN-BT-0-0055 KSD 10MM PAL..
JK1200	6612B00015B	DIN, DC1R019WDH JAE 0.5MM..
JK1201	6612B00015B	DIN, DC1R019WDH JAE 0.5MM..
JK400	6612J10002D	RCA, PPJ200-02 PARK ELEC. S/T 10MM..
JK501	6612F00099A	PHONE, PEJ024-01 PARK 7P 10MM WITH S/W
JK502	6612F00099A	PHONE, PEJ024-01 PARK 7P 10MM WITH S/W
JK601	6612F00099A	PHONE, PEJ024-01 PARK 7P 10MM WITH S/W
WAFER		
C10	366-036B	CONNECTOR (CIRC),WAFERSTAPLE . . . .
P1	6602T20009C	CONNECTOR (CIRC),WAFERSMAW200-04
P100	6602T20009J	CONNECTOR (CIRC),WAFERSMAW200-10
P1000	6602T25008M	WAFERSMW250-13
P101	6602T20009C	CONNECTOR (CIRC),WAFERSMAW200-04
P101	6602T20009C	CONNECTOR (CIRC),WAFERSMAW200-04
P101	6602T20009L	CONNECTOR (CIRC),WAFERSMAW200-12
P1100	6602T25008J	WAFERSMW250-10
P300	6602T20008L	CONNECTOR (CIRC),WAFERSMW200-12
P400	6602T25008C	CONNECTOR (CIRC),WAFERSMW250-04
P401	6602T25008B	CONNECTOR (CIRC),WAFERSMW250-03
P500	6630VF00704	CONNECTOR (CIRC),WAFER12505WS-04A00
P800	6602T20008J	CONNECTOR (CIRC),WAFERSMW200-10
P803	6602T12007D	CONNECTOR (CIRC),WAFERGT121-31P-TD
P804	6630V90116A	CONNECTOR (CIRC),WAFERFI-X30SSL-HF
P806	6630VF00530	CONNECTOR (CIRC),WAFER12507WR
MISCELLANEOUS		
CA1	68509A0004J	CABLE,COAXIALRCA R/A TO RCA R/A UL
CA2	6850J00005C	CABLE,DVILVDS UL20276 AWG30
PA101	6712000011B	REMOTE CONTROLLER RECEIVER
TU201	6700MF0017C	TUNER, TAFV-W303P LGIT MULTI
ACCESSORIES		
A1	38289U0025B	MANUAL, USER 8LANS WESTERN EU
	38289U0025E	Manual, USER EN/RU/KA (3) CIS

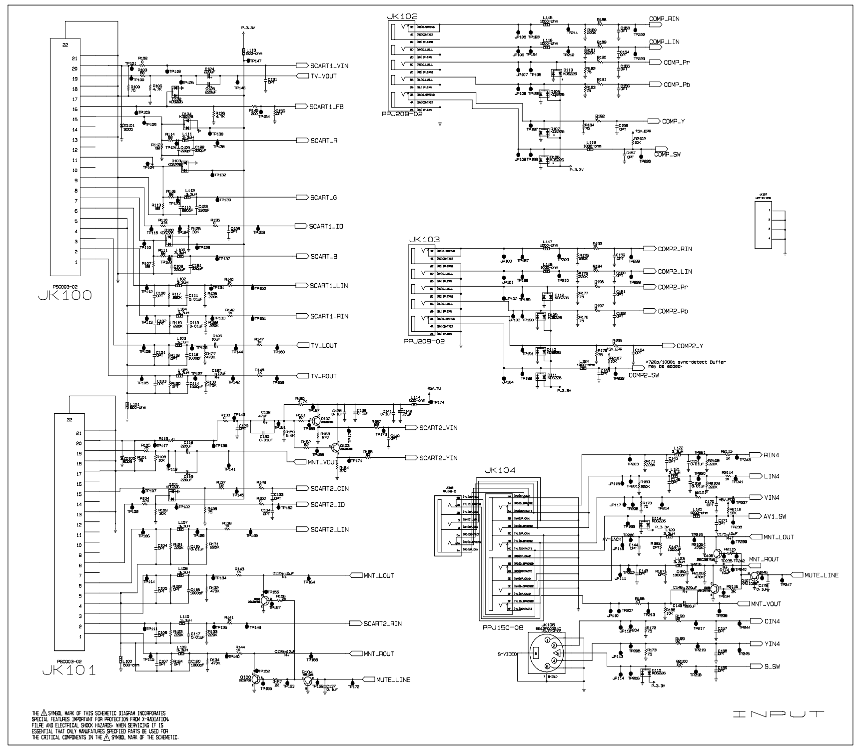
LOCA. NO	PART NO	DESCRIPTION
	38289U0025Z	MANUAL, USER ALL EU LANS RS-232C
A2	6710900010A	REMOTE CONTROLLER, PP62A H3-H
⚠ A3	64109EP003A	POWER CORD, SP-023+IS-14 I-SHENG
A4	4972V00178B	FIXER, WALL ASSY FOLDING STAND ONLY

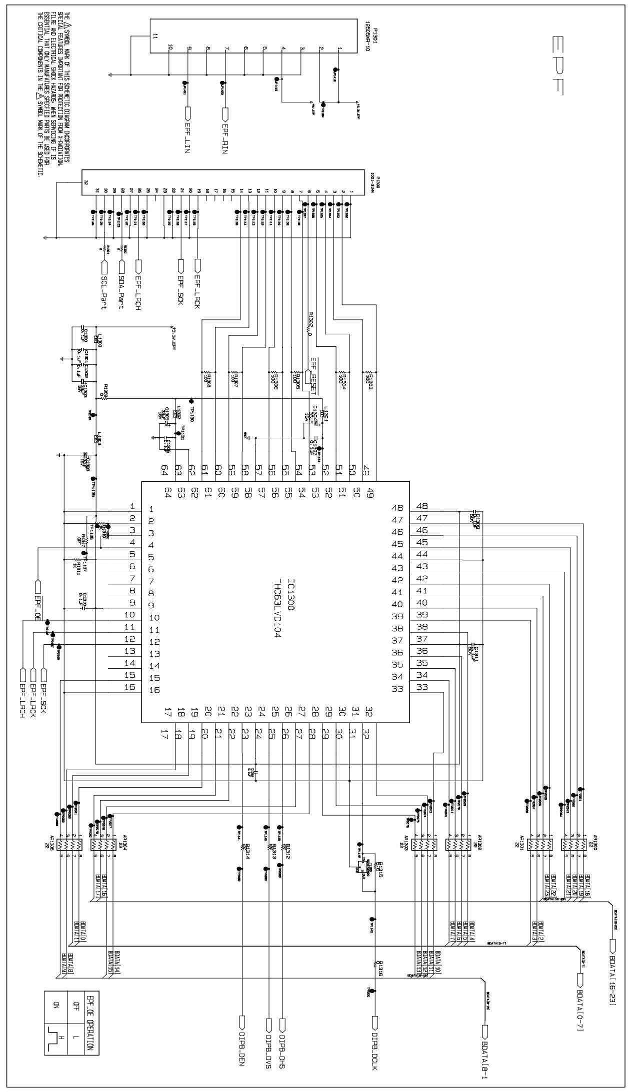

Digital Audio
IC400
MSP4410K
+9V_MSP4450
+5V_MSP4450
TV_LOUT
TV_ROUT
MUTE_LINE
P_+19V
MUTE_MAIN
IC403
74HC14D
+5V_EPA1
DELAY_SCK
CN_SCK
SCL_Part
SDA_Part
SW_RESET
EPF_SCK
EPF_LRCK
EPF_SCK

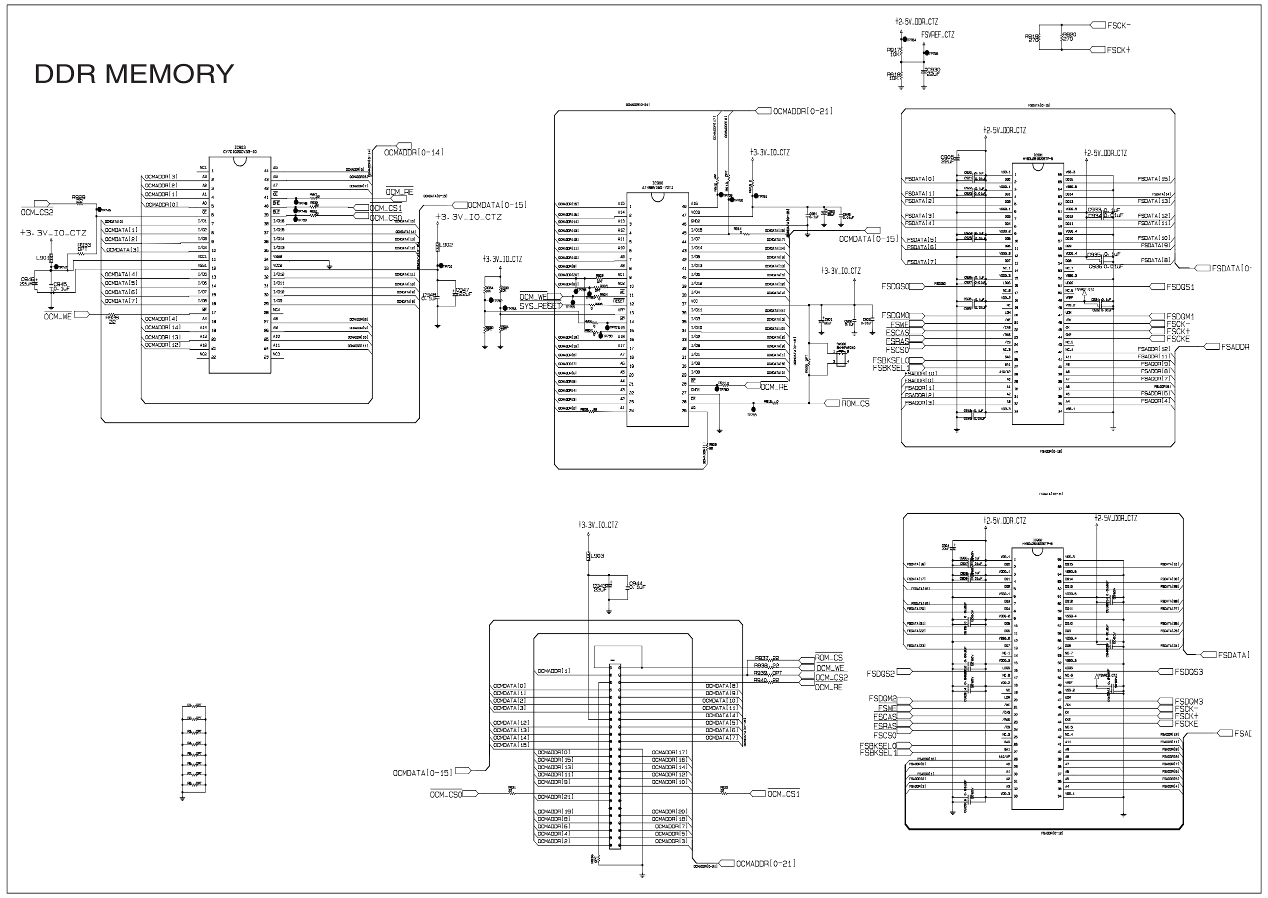

CORTEZ
P803
P804

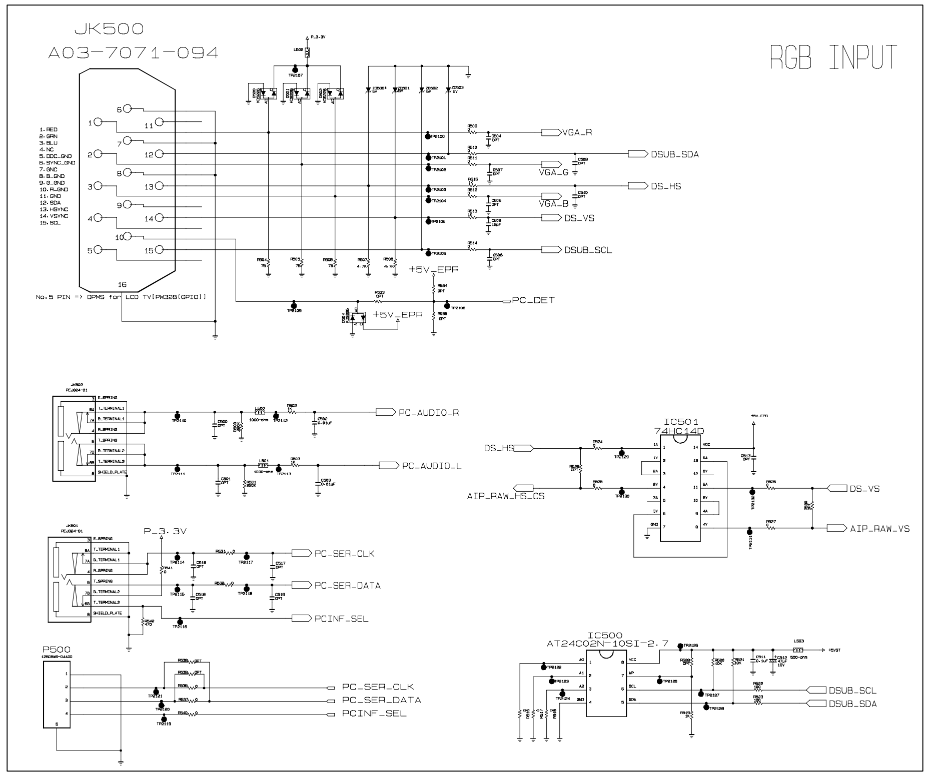

HDMI
IC1200
SIL9021CTU
+3.3V_HDMI
+1.8V_HDMI
+1.8V_S:I
+3.3V_S:I
+5V_HDMI_0
+5V_HDMI_1
+5V_EPA
JK1200
JK1201

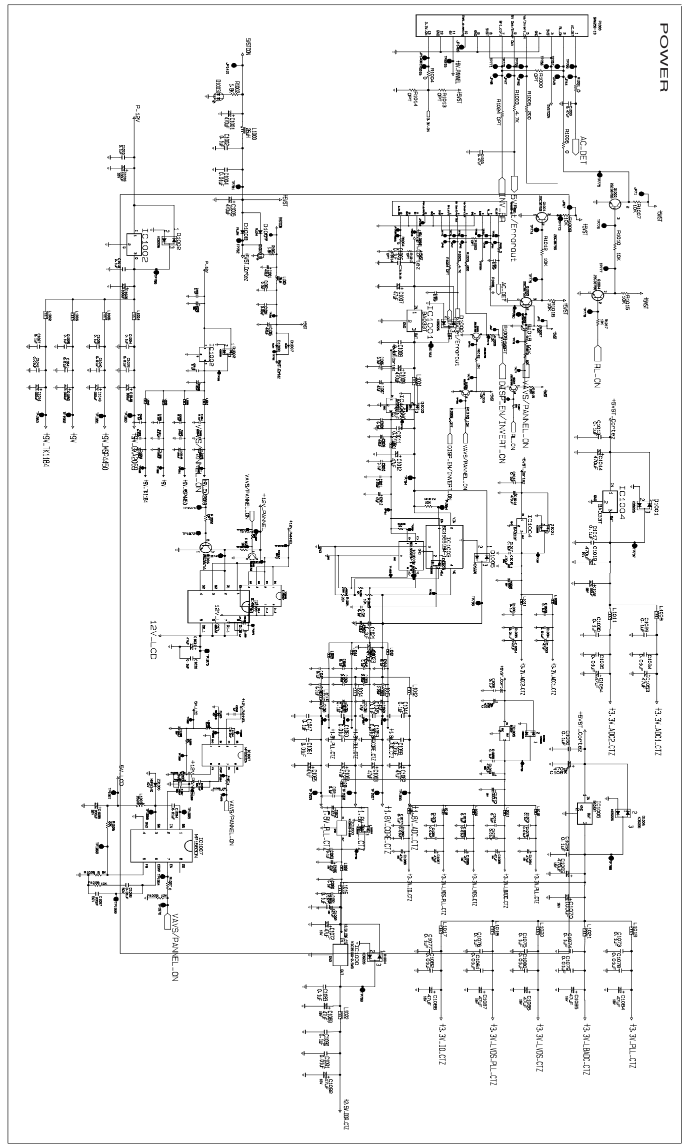

IC300
MNT_LOUT
MNT_ROUT
MNT_VOUT
SUB_V/YOUT
SUB_COUT
AV_LOUT
AV_ROUT
MAIN_V/YOUT
MAIN_COUT
CIN4
RIN4
YIN4
LIN4
VIN4
S5_SW
AV2_SW
CIN5
RIN5
YIN5
LIN5
VIN5
SCART2_ID
SCART2_CIN
SCART2_RIN
SCART2_YIN
SCART2_LIN
SCART2_VIN
SCART1_ID
SCART1_RIN
SCART1_LIN
SCART1_VIN
TV_ROUT
TV_LOUT
TU_SUB
TU_MAIN
SYNC_DE
AV S/W

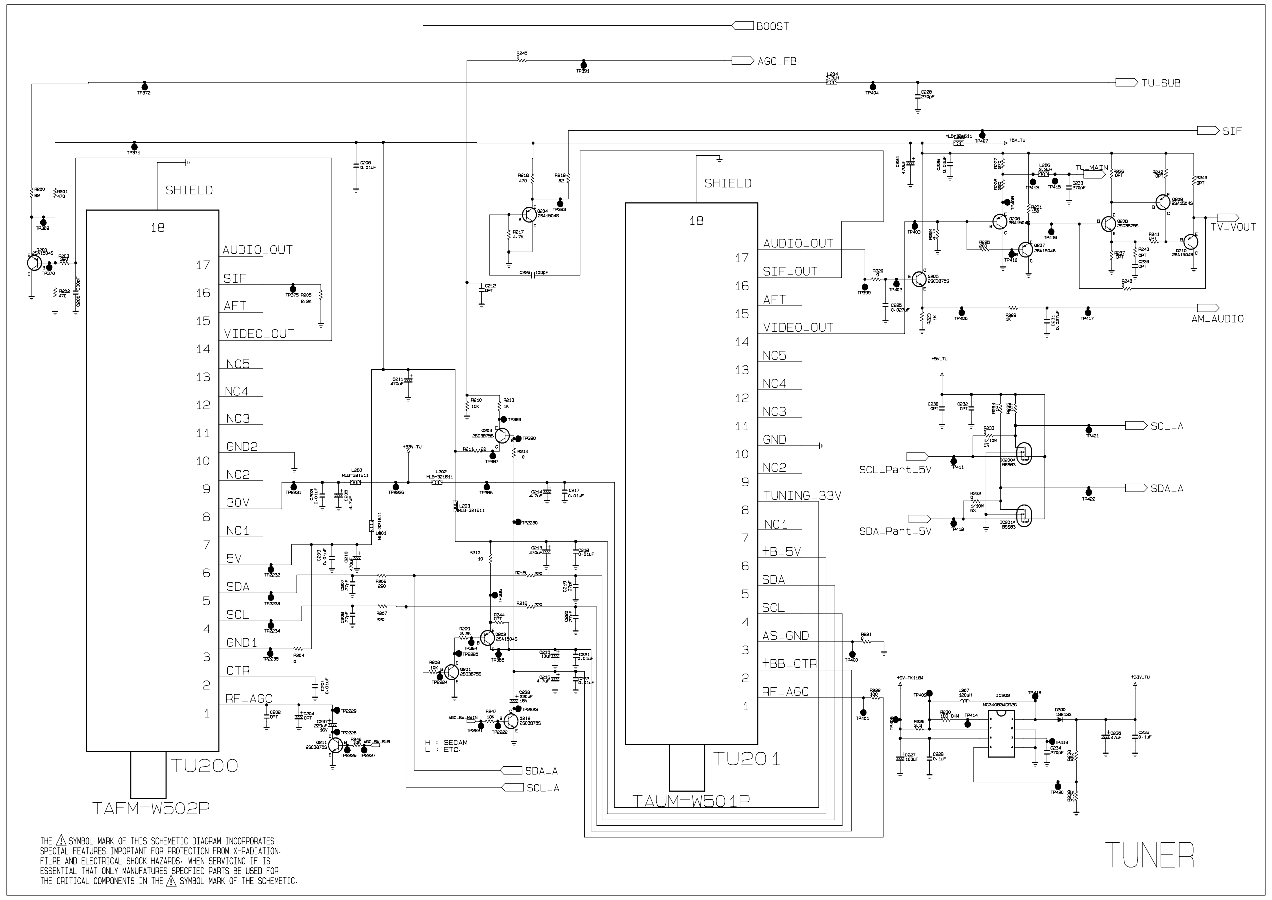

JK100
JK101
JK102
JK103
JK104
INPUT

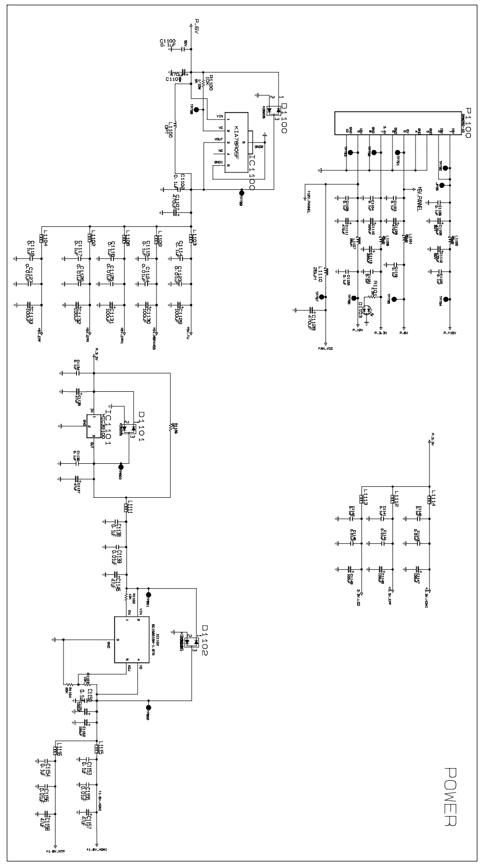

EPF
IC300

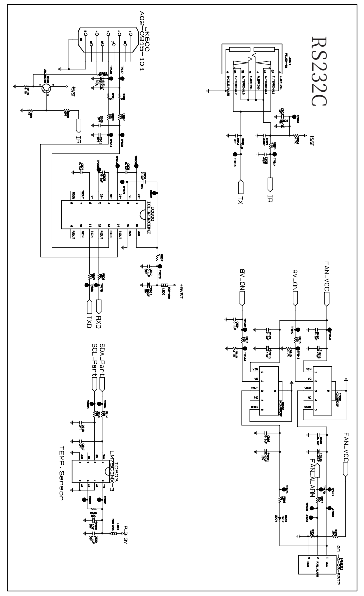

DDR MEMORY
DCM_CS2
+3.3V_IO_CTZ
DCM_WE
DCMADDR[0-14]
DCMDATA[0-15]
DCM_CS1
DCM_CS3
SYS_RESET
DCMADDR[0-21]
DCM_RE
RDM_CS
FSCK-
FSCK+
FSDATA[0-
FSDQS0
FSDQS1
FSADDR
FSDQS2
FSDQS3
FSDATA[
FSAD
DCMDATA[0-15]
DCM_CS0
DCK_CS1
DCMADDR[0-21]


JK500
A03-7071-094
RGB INPUT
VGA_R
DSUB_SDA
VGA_G
DS_HS
VGA_B
DS_VS
DSUB_SCL
+5V_EPA
PC_DET
+5V_EPA
PC_AUDIO_R
PC_AUDIO_L
IC501
DS_HS
DS_VS
AIP_RAW_HS_CS
AIP_RAW_VS
P_3.3V
PC_SER_CLK
PC_SER_DATA
PCINF_SEL
P500
PC_SER_CLK
PC_SER_DATA
PCINF_SEL
IC500
AT24C02N-10SI-2.7
DSUB_SCL
DSUB_SDA


POWER


BOOST
AGC_FB
TU_SUB
SIF
SHIELD
18
AUDIO_OUT
SIF
AFT
VIDEO_OUT
NC5
NC4
NC3
GND2
NC2
30V
NC1
5V
SDA
SCL
GND1
CTR
RF_AGC
TU200
TAFM-W502P
SHIELD
18
AUDIO_OUT
SIF_OUT
AFT
VIDEO_OUT
NC5
NC4
NC3
GND
NC2
TUNING_33V
NC1
+B_5V
SDA
SCL
AS_GND
+BB_CTR
RF_AGC
TU201
TAUM-W501P
TV_VOUT
AM_AUDIO
SCL_A
SCL_Part_5V
SDA_A
SDA_Part_5V
SDA_A
SCL_A
TUNER
THE ⚠ SYMBOL MARK OF THIS SCHEMATIC DIAGRAM INCORPORATES
SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM X-RADIATION,
FILRE AND ELECTRICAL SHOCK HAZARDS. WHEN SERVICING IF IS
ESSENTIAL THAT ONLY MANUFATURES SPECIFIED PARTS BE USED FOR
THE CRITICAL COMPONENTS IN THE ⚠ SYMBOL MARK OF THE SCHEMATIC.


P1100
POWER


RS232C

LG Electronics Inc.

P/NO : 38289S0024A

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